

**Municipality/Organization:** Town of Weston

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**EPA NPDES Permit Number:** MAR041068

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**MaDEP Transmittal Number:** W- 035252

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**Annual Report Number  
& Reporting Period:** No. 4: March 06-March 07

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

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

Contact Person: Stephen R. Fogg, P.E.

Title: Town Engineer

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Email: fogg.s@westonmass.org

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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:

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Printed Name: Donna VanderClock

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Title: Town Manager

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Date: April 27, 2007

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

The Town of Weston has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the following provisions:

Part II.B.1. BMP 1-6, Outreach to Private Ways, has not been completed as planned. An amendment to the Stormwater Regulations was passed at Town Meeting in May 2006, giving the Town authority over stormwater management on private ways. This correspondence and follow up will be scheduled for the summer of 2007.

Part II.B.2. BMP 2-2, Poster contest was not held. School will be contacted again in the spring of 2007 to encourage more participation.

Part II.B.2 BMP 2-3, Summit event not held as planned. Event will be planned for fall of 2007.

Part II.B.2 BMP 2-6, Stream survey not completed as planned, as GIS mapping was needed to aid in survey. Stream Team will be contacted again and maps provided.

Part II.B.4. BMP 4-1, Erosion and Sediment Control Bylaw, has been deferred until Special Town Meeting in the fall of 2007. A committee has been formed to establish the language of the bylaw and how it will be enforced.

Part II.B.5. BMP 5-1, Erosion and Sediment Control Bylaw, has been deferred until Special Town Meeting in the fall of 2007. A committee has been formed to establish the language of the bylaw and how it will be enforced.

### 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 4<br>(Reliance on non-municipal partners indicated, if any)               | Planned Activities – Permit Year 5 |
|----------------|-----------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------|
| 1-1<br>Revised | Flyer to residents                                                          | SUASCO WCC and SRF            | Distribute to 75% of residents                                      | Completed in year 1                                                                                         |                                    |
| 1-2<br>Revised | Lesson Plan for Fifth Graders<br>Plan to be taught in 4 <sup>th</sup> grade | SUASCO WCC and SRF            | Lesson plan taught                                                  | Lesson plan continuing in schools                                                                           | Provide support as needed          |
| 1-3<br>Revised | Media Campaign                                                              | SUASCO WCC and SRF            | Media packet given to press                                         | Series of articles ran in Weston Town Crier during 2006                                                     | none                               |
| 1-4<br>Revised | Flyer to Businesses                                                         | SUASCO WCC and SRF            | Distribute to 50% of businesses<br>Distribute to 100% of businesses | Flyer produced and being mailed April 2007 to all Weston businesses, including private schools and churches | None – planned for permit year 4   |
| 1-5<br>Revised | Video                                                                       | SUASCO WCC and SRF            | Show video at public meeting                                        | None - planned for permit year 5                                                                            | None – planned for permit year 5   |

#### 1a. Additions

|     |                          |     |                                                                                               |                                    |                     |
|-----|--------------------------|-----|-----------------------------------------------------------------------------------------------|------------------------------------|---------------------|
| 1-6 | Outreach to Private Ways | DPW | Develop and send correspondence to road trusts and private way owners about stormwater issues | None – letter to be sent this year | Send correspondence |
|-----|--------------------------|-----|-----------------------------------------------------------------------------------------------|------------------------------------|---------------------|

## 2. Public Involvement and Participation

| BMP ID # | BMP Description                        | Responsible Dept./Person Name | Measurable Goal(s)                     | Progress on Goal(s) – Permit Year 4<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|----------|----------------------------------------|-------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
| 2-1      | Traveling Display                      | SUASCO WCC and SRF            | 3 months on display                    | None - Completed in year 1                                                                    | Use display as opportunity arises  |
| Revised  |                                        |                               |                                        |                                                                                               |                                    |
| 2-2      | Poster contest (5 <sup>th</sup> grade) | SUASCO WCC and SRF            | Hold contest                           | Contest rules provided to School Dept.                                                        | None                               |
| Revised  |                                        |                               |                                        |                                                                                               |                                    |
| 2-3      | Summit Event*                          | SUASCO WCC and SRF            | Hold local stormwater summit meeting   | Summit materials delivered to Weston by SUASCO                                                | hold summit meeting                |
| Revised  |                                        |                               |                                        |                                                                                               |                                    |
| 2-4      | Photo contest (High School)            | SUASCO WCC and SRF            | Hold contest                           | None – planned for year 4                                                                     | None – planned for year 4          |
| Revised  |                                        |                               |                                        |                                                                                               |                                    |
| 2-5      | Super—summit event                     | SUASCO WCC and SRF            | Participate in regional “super-summit” | None – planned for year 5                                                                     | None – planned for year 5          |
| Revised  |                                        |                               |                                        |                                                                                               |                                    |

### 2a. Additions

|     |                                      |                     |                                                                             |                                                                |                                         |
|-----|--------------------------------------|---------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------|
| 2-6 | Stream team survey of Seaverns Brook | SRF and stream team | Complete survey                                                             | None                                                           | Provide GIS mapping and complete survey |
| 2-7 | Catch basin stenciling program       | SRF                 | Volunteer group(s) to install 180 storm drain markers in selected locations | Marker kits purchased through SUASCO Community Assistance Plan |                                         |

### 3. Illicit Discharge Detection and Elimination

| <b>BMP ID #</b> | <b>BMP Description</b>            | <b>Responsible Dept./Person Name</b> | <b>Measurable Goal(s)</b>                                   | <b>Progress on Goal(s) – Permit Year 4</b><br>(Reliance on non-municipal partners indicated, if any)           | <b>Planned Activities – Permit Year 5</b>                                                                         |
|-----------------|-----------------------------------|--------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 3-1             | Stormwater System Mapping         | DPW                                  | Complete mapping of stormwater system over a 3 year period  | None – completed during year 3                                                                                 | Completion of stormwater system mapping using GPS to construct pipe network                                       |
| 3-2             | Dry weather screening of outfalls | DPW                                  | Visual inspection/report of known outfalls, 33% each year   | None – outfalls inspected during year 3                                                                        | Re-inspect outfalls and document changes from last inspection                                                     |
| 3-3             | Illicit Discharge Elimination     | DPW, Board of Health                 | Trace non-stormwater flows and eliminate within 1 year      | none                                                                                                           | Sample flowing outfalls using IDDE protocol                                                                       |
| 3-4             | Water Quality Monitoring          | Cambridge Water Supply               | Obtain results of regular monitoring                        | Water quality data summary from CWS - See Attachment A                                                         | Same as year 4                                                                                                    |
| 3-5             | Amend Stormwater Regulations      | DPW                                  | Amended regulations adopted at 2003 Annual town Meeting     | Goal met                                                                                                       | Prepare amendment for 2007 Special Town Meeting (fall '07) to incorporate Erosion and Sediment Control provisions |
| Revised         |                                   |                                      | Amended regulations adopted at 2006 Annual Town Meeting     | Goal met to expand coverage to include impacts from private ways and impacts to water bodies from construction |                                                                                                                   |
| 3-6             | Septic System Monitoring Program  | Board of Health                      | Develop, implement and enforce septic pumping               | BOH not planning to institute mandatory pumping                                                                |                                                                                                                   |
| Revised         |                                   |                                      | System in place to identify frequent pumping                | GIS program development task includes septic system database management tool                                   | Database created and in use; frequent pumping locations are investigated                                          |
| 3-7             | Dechlorination of New Water Mains | DPW - Water Div.                     | Use dechlorination tablets when flushing new mains          | Done during installation of North Ave water main                                                               | As needed                                                                                                         |
| 3-8             | Trench Dewatering Policy          | DPW                                  | Require siltation control on all trench dewatering projects | Siltation control specified on all capital projects; controls used on DPW projects                             | As needed                                                                                                         |

#### 4. Construction Site Stormwater Runoff Control

| BMP ID # | BMP Description                                                       | Responsible Dept./Person Name                | Measurable Goal(s)                                                                       | Progress on Goal(s) – Permit Year 4<br>(Reliance on non-municipal partners indicated, if any)                     | Planned Activities – Permit Year 5                                                  |
|----------|-----------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 4-1      | Erosion and Sediment Control Bylaw                                    | Planning Board, Conservation Commission, DPW | Develop, implement and enforce bylaw                                                     | Bylaw deferred until special town meeting in the fall of 2007; committee formed to establish bylaw language       | Amend stormwater regulations to incorporate erosion and sediment control provisions |
| Revised  | <i>Incorporate provisions into Stormwater Regulations as policies</i> | DPW                                          | All construction projects subject to Building Permit reviewed for compliance with policy | DPW inspector assigned to enforce policies                                                                        | Same as year 4                                                                      |
| 4-2      | Planning Board review of projects                                     | Planning Board                               | All projects reviewed for compliance with runoff control measures                        | All applicants are required to demonstrate that they are addressing stormwater runoff control during construction | Same as year 4                                                                      |
| 4-3      | Conservation Commission review of projects                            | Conservation Commission                      | All projects reviewed for compliance with runoff control measures                        | All applicants are required to demonstrate that they are addressing stormwater runoff control during construction | Same as year 4                                                                      |
| 4-4      | Street Opening permit process                                         | DPW                                          | Inspections conducted for compliance with Stormwater Regulations                         | DPW inspector assigned to this task                                                                               | Inspections documented and reported in annual report                                |
| 4-5      | Building Permit process                                               | Building Dept.                               | Appropriate applicants referred to DPW for stormwater controls                           | permit tracking program being developed to ensure compliance                                                      | Permit tracking continues                                                           |

## 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 4<br>(Reliance on non-municipal partners indicated, if any)                | Planned Activities – Permit Year 5                                                  |
|----------|-----------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 5-1      | Erosion and Sediment Control ByLaw                                    | DPW                           | Same as control measure 4-1                                                              | Bylaw deferred until special town meeting in the fall of 2007; committee forming to establish bylaw language | Amend stormwater regulations to incorporate erosion and sediment control provisions |
| Revised  | <i>Incorporate provisions into Stormwater Regulations as policies</i> | DPW                           | All construction projects subject to Building Permit reviewed for compliance with policy | DPW inspector assigned to this task                                                                          | Projects documented and reported in annual report                                   |
| 5-2      | DPW Runoff Control Policy                                             | DPW                           | Development / redevelopment projects required to handle stormwater on-site               | Plan review and inspection procedure in place; estimated that 75% of potential projects are being reviewed   | Goal is 100% of applicable projects are reviewed and inspected                      |

## 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 4<br>(Reliance on non-municipal partners indicated, if any)                                                                         | Planned Activities – Permit Year 5                                                                                               |
|----------------|----------------------------------------|------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 6-1            | Street Sweeping                        | DPW                                            | Sweep all public streets annually                                 | All public streets swept at least once per year                                                                                                                       | Same as year 4                                                                                                                   |
| 6-2            | Catch Basin Cleaning                   | DPW                                            | Clean all public catch basins annually                            | All public catch basins cleaned at least annually                                                                                                                     | Same as year 4                                                                                                                   |
| 6-3            | Drainage Improvement Projects          | DPW                                            | Incorporate structural BMPs into each project                     | Two drainage projects completed (Drabington Way and Brown Street) utilizing deep sump catch basins                                                                    | Church Street project planned, including approx. 3,500 lin. ft. of drainage and road improvements, incorporating stormwater BMPs |
| 6-4            | DPW Housekeeping                       | DPW                                            | Conduct environmental audit, implement recc.                      | Completed                                                                                                                                                             |                                                                                                                                  |
| <i>Revised</i> | <i>Environmental Management System</i> | <i>DPW</i>                                     | <i>Develop and Implement Environmental Management System</i>      | <i>Continual improvements to EMS and identification of new environmental aspects and impacts</i>                                                                      | <i>Continual improvements to EMS and identification of new environmental aspects and impacts</i>                                 |
| 6-5            | Roadway De-icing Program               | DPW                                            | Install computerized spreader controls; alt. dispensing equipment | Spreader controls on all equipment; further reductions of salt use achieved (590 lbs/lane mile for winter '05-06 season, down to 566 lbs/lane mile for winter '06-07) | Install and place into operation on remainder of fleet; continue to track usage to achieve optimal application rate              |
| 6-6            | Waterway Maintenance                   | DPW                                            | Clear waterways of debris, 3 year rotating basis                  | Waterway maintenance work suspended due to lack of manpower                                                                                                           |                                                                                                                                  |
| <i>Revised</i> | <i>Ditch maintenance</i>               | <i>East Middlesex Mosquito Control Project</i> | <i>Clear sediment from ditches</i>                                | <i>Approx. 2,300 l.f. of ditch clearing accomplished in several trouble spots</i>                                                                                     | <i>Identify and clean as time and budget allows</i>                                                                              |

### 6a. Additions

|     |                           |     |                                                |                                                           |                                                       |
|-----|---------------------------|-----|------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|
| 6-7 | Employee Training Program | DPW | Provide all departments with training          | Done for DPW staff as part of EMS program                 | Training for other departments planned for summer '07 |
| 6-8 | New DPW Facility          | DPW | Incorporate Green Building Design into project | Completed feasibility study for new facility on same site | Conduct final design of new facility                  |



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

A summary of water quality monitoring results from Cambridge Water Supply (CWS) is attached (Attachment B). In general the most recent data shows very low levels of fecal coliform bacteria compared to the range of concentrations measured at stream locations in prior sampling rounds. Weston has received no indication of specific water quality concerns from staff in the Watershed Protection Division of CWS. This agency has staff dedicated to monitoring water quality within the watershed on a daily basis.

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

##### **Programmatic**

|                                                |       | 2005-2006 | 2006-2007 |
|------------------------------------------------|-------|-----------|-----------|
| Stormwater management position created/staffed | (y/n) | Y         | Y         |
| Annual program budget/expenditures             | (\$)  | \$305,000 | \$341,000 |
|                                                |       |           |           |
|                                                |       |           |           |

##### **Education, Involvement, and Training**

|                                                                         |               | 2005-2006                                            | 2006-2007                                            |
|-------------------------------------------------------------------------|---------------|------------------------------------------------------|------------------------------------------------------|
| Estimated number of residents reached by education program(s)           | (# or %)      | 200 households via 4 <sup>th</sup> grade lesson plan | 200 households via 4 <sup>th</sup> grade lesson plan |
| Stormwater management committee established                             | (y/n)         | n                                                    | y                                                    |
| Stream teams established or supported                                   | (# or y/n)    | n                                                    | n                                                    |
| Shoreline clean-up participation or quantity of shoreline miles cleaned | (y/n or mi.)  | n                                                    | n                                                    |
| Household Hazardous Waste Collection Days                               |               |                                                      | Scheduled for 4/28/07                                |
| ▪ days sponsored                                                        | (#)           | 1                                                    | 1                                                    |
| ▪ community participation                                               | (%)           | 239 cars (est. 7% of pop.)                           | TBD                                                  |
| ▪ material collected                                                    | (tons or gal) | 3,130 lbs                                            | TBD                                                  |
| School curricula implemented                                            | (y/n)         | y                                                    | y                                                    |

## Legal/Regulatory

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

## Mapping and Illicit Discharges

|                                        |                    |      |
|----------------------------------------|--------------------|------|
| Outfall mapping complete               | (%)                | 100  |
| Estimated or actual number of outfalls | (#)                | 310  |
| System-Wide mapping complete           | (%)                | 100  |
| Mapping method(s)                      |                    |      |
| ▪ Paper/Mylar                          | (%)                |      |
| ▪ CADD                                 | (%)                |      |
| ▪ GIS / GPS                            | (%)                | 100  |
| Outfalls inspected/screened            | (# or %)           | 100  |
| Illicit discharges identified          | (#)                | 0    |
| Illicit connections removed            | (# )<br>(est. gpd) | NA   |
| % of population on sewer               | (%)                | 0.3* |
| % of population on septic systems      | (%)                | 99.7 |
|                                        |                    |      |
|                                        |                    |      |

\* residents at Regis College, which is sewerred to the MWRA via private force main.

## Construction

|                                                                                                   |            | 2005-2006 | 2006-2007 |
|---------------------------------------------------------------------------------------------------|------------|-----------|-----------|
| Number of construction starts (>1-acre)                                                           | (#)        | 32        | 22        |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | (%)        | 100%      | 100%      |
| Site inspections completed                                                                        | (# or %)   | 100%      | 100%      |
| Tickets/Stop work orders issued*                                                                  | (# or %)   | 2         | 0         |
| Fines collected                                                                                   | (# and \$) | 0         | 0         |
| Complaints/concerns received from public                                                          | (#)        | 2         | 0         |
|                                                                                                   |            |           |           |
| * letters sent to developers with corrective action requests re: stormwater management            |            |           |           |

## Post-Development Stormwater Management

|                                                                                                                          |          |         |
|--------------------------------------------------------------------------------------------------------------------------|----------|---------|
| Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control | (%)      | 50%     |
| Site inspections completed                                                                                               | (# or %) | 50%     |
| Estimated volume of stormwater recharged                                                                                 | (gpy)    | unknown |
|                                                                                                                          |          |         |
|                                                                                                                          |          |         |

## Operations and Maintenance

|                                                                                           |             | 2005-2006                   | 2006-2007           |
|-------------------------------------------------------------------------------------------|-------------|-----------------------------|---------------------|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets)           | (times/yr)  | 1                           | 1                   |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets) | (times/yr)  | 1                           | 1                   |
| Number of drainage structures repaired or rebuilt                                         | #           | 41                          | 12                  |
| Total number of structures cleaned                                                        | (#)         | 587                         | 587                 |
| Storm drain cleaned                                                                       | (LF or mi.) | 25 systems<br>(length unk.) | 300 l.f.<br>approx. |
| Ditches cleaned by East Middlesex Mosquito Control                                        | l.f.        | 1,000-1,500                 | 2,300               |

### Operations and Maintenance (cont)

|                                                                                                                                                                                                   |                |           |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|----------|
| Qty. of screenings/debris removed from storm sewer infrastructure                                                                                                                                 | (lbs. or tons) | 570 tons* | 250 tons |
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)                                                                                                    |                | landfill  | landfill |
| Cost of screenings disposal (including trucking and disposal)                                                                                                                                     | (\$)           | \$23/ton  | \$27/ton |
| *Total hauled off-site in early 2006 was 1,041 tons, including material accumulated from ½ of town in 2004, all of town in 2005 and 1/3 of town in 2006. Calculated amount from 2005 is 570 tons. |                |           |          |

|                                                                                                                                                                                                                                                                         |                |                |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
|                                                                                                                                                                                                                                                                         |                | 2005-2006      | 2006-2007      |
| Average frequency of street sweeping (non-commercial/non-arterial streets)                                                                                                                                                                                              | (times/yr)     | 2              | 2              |
| Average frequency of street sweeping (commercial/arterial or other critical streets)                                                                                                                                                                                    | (times/yr)     | 2              | 2              |
| Qty. of sand/debris collected by sweeping                                                                                                                                                                                                                               | (lbs. or tons) | 2,200 tons*    | 2,100 tons     |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                                                                                                                                                                                                   | (location)     | landfill cover | landfill cover |
| Cost of sweepings disposal                                                                                                                                                                                                                                              | (\$)           | \$9/ton        | \$16/ton       |
| Vacuum street sweepers purchased/leased                                                                                                                                                                                                                                 | (#)            | 0              | 0              |
| Vacuum street sweepers specified in contracts                                                                                                                                                                                                                           | (y/n)          | N              | N              |
| * 3,372 tons hauled out in late 2005, represented all of 2005 sweepings plus some from 2004. In 2004, only 1,000 tons of accumulated material was hauled off-site. Two year total estimated sweepings was 4,400 tons, therefore one year amount is half, or 2,200 tons. |                |                |                |

|                                                                                        |             |           |           |
|----------------------------------------------------------------------------------------|-------------|-----------|-----------|
|                                                                                        |             | 2005-2006 | 2006-2007 |
| Reduction in application on public land of: (“N/A” = never used; “100%” = elimination) |             |           |           |
| ▪ Fertilizers (reductions on Recreation Dept. fields only)                             | (lbs. or %) | 0%        |           |
| ▪ Herbicides (reductions on Recreation Dept. fields only)                              | (lbs. or %) | 0%*       |           |
| ▪ Pesticides (reductions on Recreation Dept. fields only)                              | (lbs. or %) | 0%*       |           |
| * organic products being used at Memorial Pool                                         |             |           |           |

## Operations and Maintenance (cont)

|                                                                                                                                 |                     | 2005-2006  | 2006-2007  |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|------------|
| Anti-/De-Icing products and ratios<br>Weston has expanded salt-only usage to cover approx. 1/3 of Town for winter '06-07 season | % NaCl              | 25-50%     | 25-50%     |
|                                                                                                                                 | % CaCl <sub>2</sub> | 5% pre-wet | 5% pre-wet |
|                                                                                                                                 | % MgCl <sub>2</sub> | 0          | 0          |
|                                                                                                                                 | % CMA               | 0          | 0          |
|                                                                                                                                 | % Kac               | 0          | 0          |
|                                                                                                                                 | % KCl               | 0          | 0          |
|                                                                                                                                 | % Sand              | 75-50%     | 75-50%     |
| Pre-wetting techniques utilized                                                                                                 | (y/n)               | Y          | Y          |
| Manual control spreaders used                                                                                                   | (y/n)               | Y          | Y          |
| Automatic or Zero-velocity spreaders used                                                                                       | (y/n)               | Y          | Y          |
| Estimated net reduction in typical year salt application                                                                        | (lbs. or %)         | 33%        | 4%         |
| Salt pile(s) covered in storage shed(s)                                                                                         | (y/n)               | Y          | Y          |
| Storage shed(s) in design or under construction                                                                                 | (y/n)               | NA         | NA         |
|                                                                                                                                 |                     |            |            |

