Municipality/Organization:	**Belmont, MA**
EPA NPDES Permit Number:	**MAR021074**
MassDEP Transmittal Number:	**W-041153**
Annual Report Number & Reporting Period:	**April 1, 2006 – March 31, 2007**

NPDES PII Small MS4 General Permit Annual Report
(Due: May 1, 2007)

Part I. General Information

Contact Person: Peter Castanino Title: Director of Public Works

Telephone #: (617) 993-2680 Email: pcastanino@town.belmont.ma.us

Mailing Address: 19 Moore Street, P.O. Box 56, Belmont, MA 02478

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: Thomas G. Younger

Printed Name: Thomas G. Younger

Title: Town Administrator

Date: April 27, 2007

Part II. Self-Assessment

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

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
1-1	***Develop Stormwater Web Page on Town Web Site***	Belmont Office of Community Development, Belmont Department of Public Works, Belmont Webmaster	1.Develop a Stormwater Web Page linked to the home page of the Town's web site. Post information on stormwater related issues and programs. 2. Update web page on a regular basis	During Year 4, the Stormwater Web Page was revised to be more user-friendly. In addition to adding stormwater-related activities within Town, web links were added to state and federal stormwater resources.	Stormwater-related information will continue to be posted on the website.
Revised					
1-2	***Post Information on Town Hall Bulletin Boards***	Belmont Office of Community Development, Belmont Department of Public Works, Belmont Webmaster	1. Track the publications & information posted on Bulletin Board's each year 2. Post electronic versions on Belmont Stormwater Web Page	The Town has posted information on the Bulletin Boards relative to the review and approval of the SWMP.	Informational material relative to stormwater related issues and activities will be posted throughout the year.
Revised					
1-3	***Distribute Educational Flyers with Community Newsletter***	Belmont Office of Community Development, Belmont Department of Public Works, Belmont Webmaster	1.Track the number of flyers distributed each year 2. Post electronic versions of flyers on Belmont Stormwater Web Page	A flyer was sent out with the Town's municipal light electric bill to every household during Year 4.	A flyer will be sent out with the Town's municipal light electric bill to every household during Year 5.
Revised			The Town has discontinued the community newsletter. Therefore, the educational flyer will be distributed with the municipal light electric bill.		

1a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
1-4	***Provide Stormwater Information at "Meet Belmont"***	Belmont Office of Community Development, Belmont Department of Public Works	1. Provide stormwater information at the annual "Meet Belmont" event for newcomers and current residents.	At the Meet Belmont event, held in August 2006, the DPW and Office of Community Development provided stormwater-related information.	The DPW and Office of Community Development will participate in the "Meet Belmont" event, scheduled for August 2007, and will provide stormwater-related information.
Revised					
1-5	***Provide Stormwater Information at Environmental Fair***	Belmont Office of Community Development, Belmont Department of Public Works	1. Provide stormwater information to residents at the Environmental Fair.	The Environmental Fair will was not held in Year 4, so no activities were planned.	An Environmental Fair is currently not planned for Fall 2007. However, if the Environmental Fair is held, the DPW and Office and Community Development will participate by providing information regarding recycling and stormwater.
Revised					

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
2-1	***Public Review of Town's Stormwater Management Program***	Belmont Board of Selectmen, Belmont Office of Community, Development Belmont Department of Public Works, Belmont Webmaster	1. Obtain public input on draft SWMP 2. Finalize SWMP and make the final SWMP accessible to the public on the Town's website.	No additional activities were planned for Year 4.	No additional activities are planned for Year 5.
Revised					
2-2	***A-B-C Stormwater Flooding Board to Address Issues in the Little River and Alewife Brook Areas***	Belmont Board of Selectmen, Belmont Webmaster	1. Execute the Environmental Joint Powers Agreement 2. A-B-C Stormwater Flooding Board to meet throughout the permit term 3. Information and Status of Board's activities to be reported on Town Web Site	A representative from the Town is part of the Board and provided reports of meetings and activities to the Town's Board of Selectmen. Efforts of the Board focused on developing future studies and obtaining funding to conduct studies.	A representative from the Town will continue to be part of the Board and provide a report of meetings and activities.
Revised					
2-3	***Sponsor Storm Drain Stenciling Program***	Belmont Department of Public Works, Belmont Conservation Commission	1. Identify areas for storm drain stenciling 2. Track number of storm drains stenciled 3. Track number of volunteers involved in stenciling activity 4. Summarize the condition of the inlets based on information from volunteers 5. Publicize storm drain stenciling event(s) on web site, on Town Hall Bulletin Boards and via a press release to local newspaper	No activities were planned for Year 4.	During Year 5, the DPW will commence an annual storm drain marking program. Each year, pre-manufactured markers will be placed adjacent to storm drains in selected areas of town.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
2-4	***Conduct Attitude Surveys***	Belmont Office of Community Development	1. Develop Survey. 2. Send a press release explaining the stormwater awareness survey to the local newspapers. 3. Track the number of completed surveys. 4. Compile surveys in order to gauge any change in attitude/behavior regarding stormwater issues.	Due to staffing limitations the survey was not conducted during the Summer of 2006.	A survey will be developed and conducted during Year 5.
Revised					

2a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
2-5	***Conduct Lawn Care/Landscaping Survey in Spy Pond Watershed***	Belmont Office of Community Development	1. Develop and distribute survey. 2. Send a press release explaining the lawn care/landscaping survey to local newspapers. 3. Track the number of completed surveys. 4. Compile surveys to develop future educational outreach materials.	No activities were planned for Year 4.	No activities are planned for Year 5.
Revised					

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
3-1	***Outfall Location Map***	Belmont Department of Public Works Belmont Office of Community Development	1. Develop a schedule for outfall verification and outfall identification activities. 2. Perform and track the outfall verification and outfall identification activities as scheduled.	The Town completed field verification during Year 4.	The Town will update the outfall location map as required during Year 5.
Revised					
3-2	***Develop and Adopt a Stormwater By-Law***	Belmont Board of Selectmen Belmont Town Counsel Belmont Department of Public Works Belmont Office of Community Development	1. Draft the Stormwater By-Law. 2. Adopt Stormwater By-Law 3. Post Stormwater By-Law on Town's Stormwater Web Site	Because of staffing limitations, no work was performed on developing the stormwater by-law.	The Town will draft a stormwater by-law and present it to the Selectmen for review in preparation for presentation at the 2008 Town Meeting.
Revised					
3-3	***Implement an Illicit Discharge Detection and Elimination Plan***	Belmont Department of Public Works Belmont Office of Community Development	1. Track and prioritize new potential problem areas. 2. Track the number of illicit connections found. 3. Track the number of illicit connections eliminated. 4. Verify the elimination of illicit connections.	Phase 2 of the I/I removal program continued with the design and rehabilitation of sewers to remove illicit connections.	Phase 2 of the program will continue with the rehabilitation of sewers to remove illicit connections. The project will be completed in Year 5 and follow-up testing will commence in 2008.
Revised					
3-4	***Conduct Infiltration/Inflow Removal from Sanitary Sewer System***	Belmont Office of Community Development	1. Implement construction contract to remove private inflow. 2. Track results of private inflow removal. 3. Post information on I/I Private Inflow Removal project on Stormwater Web Page and in Town Newsletter.	The Private Inflow Source Removal Contract was completed by August 2006.	The Town will commence a flow metering program to identify additional locations of I/I. The Town expects to complete design and possibly commence rehabilitation of sewers.
Revised					

3a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
3-5	***Development and Modeling of Sanitary and Drainage System GIS Database***	Belmont Office of Community Development	1. Locate all sanitary and drainage system structures (including outfalls) using GPS. 2. Incorporate record information into GIS database. 3. Perform modeling of sanitary and drainage systems. 4. Prepare Technical Memorandum prioritizing areas for future study and rehabilitation.	Mapping and modeling of sanitary and drainage system were completed in Year 4.	The sewer model will be calibrated based on flow metering results.
Revised					
3-6	***Evaluation of sanitary and drainage systems in areas proposed under pavement management program***	Belmont Office of Community Development	1. Clean and TV inspect approximately 17,000 LF of sanitary and drainage systems within roadways proposed for reconstruction under Town's pavement management program. 2. Evaluate and identify portions of system that need rehabilitation or replacement. 3. Implement recommendations in conjunction with pavement management program in these areas.	A Preliminary Design Report for BMPs 3-3 and 3-6 was completed at the beginning of Year 4. Sewer and drain rehabilitation and replacement activities were performed under the same contract as the construction activities for BMP 3-3.	Sewer and drain rehabilitation and replacement activities will continue under the same contract as the construction activities for BMP 3-3 in Year 5.
Revised					
3-7	***Evaluation of Illicit Sewer Connections to Storm Drains in Wellington Brook Watershed***	Belmont Office of Community Development	1. Sample storm drain outfalls in the Wellington Brook watershed. 2. Clean and TV inspect drainage systems in areas where illicit sewer connections are identified. 3. Eliminate the illicit connections. 4. Verify the elimination of illicit connections.	Storm drain outfalls in the Wellington Brook watershed were sampled to identify drainage systems that have illicit connections. As part of this task the locations of the outfalls were verified (BMP 3-1).	Sampling of the outfalls will continue. Other activities in Year 5 include TV inspection of the drainage systems identified as having illicit connections and design of sewer rehabilitation.
Revised					

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
4-1	***Construction Site Inspection and Enforcement***	Belmont Building Division	1. Develop Site Inspection Form consistent with requirements of Stormwater By-Law 2. Perform and track inspections. 3. Track enforcement actions resulting from inspections.	No activities were planned for Year 4.	No activities are planned for Year 5. The Site Inspection Form will be developed upon adoption of the stormwater by-law.
Revised					

4a. Additions

No additions to report at this time.

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 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
5-1	***Update Site Plan Review Process***	Belmont Board of Selectmen Belmont Planning Board Belmont Office of Community Development	1. Review Draft Stormwater By-Law to determine what, if any Site Plan Review procedures should be modified or added. 2. If necessary, adopt revisions to Zoning By-Law. 3. If changes adopted, post Zoning By-Law revisions on Town's Web Site.	No activities were planned for Year 4.	No activities are planned for Year 5. The Site Plan Review procedures will be reviewed upon adoption of the stormwater by-law.
Revised					

5a. Additions

No additions to report at this time.

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 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6-1	***Training Program for Belmont DPW Staff***	Belmont Department of Public Works	1. Continue to provide annual training sessions of all DPW personnel involved with the site operations to ensure compliance with the SPCC Plan. 2. Train all new DPW employees in accordance with the training program requirements. 3. Track employee participation in training and keep all records in a central location with the DPW Administration throughout the permit term.	Annual training was completed.	Annual training will be provided.
Revised					
6-2	***Catch Basin Cleaning Program***	Belmont Department of Public Works	1. Clean all catch basins on an annual basis 2. Document annual cleaning activities and keep all records in a central location with the DPW Administration throughout the permit term.	Annual cleaning of all catch basins was completed.	Annual cleaning of all catch basins will occur.
Revised					
6-3	***Street Sweeping Program***	Belmont Department of Public Works	1. Perform street sweeping of all municipal and private roadways in Town at least 3 times/year. 2. Perform one of the street sweepings in the spring to remove winter debris. 3. Track street sweeping activities and keep records in a central location with the DPW Administration throughout the permit term.	Street sweeping of all streets occurred twice during Year 4. The business district was swept twice weekly from April to November.	Street sweeping of all streets will occur twice during Year 5. The business district will be swept twice weekly from April to November.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6-4	***Vehicle & Equipment Maintenance and Cleaning Policy***	Belmont Department of Public Works	1. Conduct weekly routine visual inspections and comprehensive written inspections on a quarterly basis. Utilize inspection sheets and document inspections in accordance with the SPCC Plan. 2. Inspection records should be kept in a central location with the DPW Administration throughout the permit term.	The Town continued to implement inspections and procedures in accordance with the Spill Prevention Control and Countermeasure Plan throughout Year 4.	The Town will continue to implement inspections and procedures in accordance with the Spill Prevention Control and Countermeasure Plan throughout Year 5.
Revised					
6-5	***Landscaping and Lawn Care***	Belmont Department of Public Works	1. Continue to train DPW employees in "green landscaping" techniques. Document and keep records of employee training in a central location with the DPW Administration throughout the permit term	The Town continued to train employees in "green landscaping" techniques and implement their existing landscaping and lawn care practices throughout Year 4.	The Town will continue to train employees in "green landscaping" techniques and to implement existing landscaping and lawn care practices throughout Year 5.
Revised					
6-6	***Road Salt Application and Storage***	Belmont Department of Public Works	1. Perform routine inspections of salt storage site to determine if salt pile is covered. Document inspections and keep records in a central location with the DPW Administration throughout the permit term.	The Town conducted routine inspections of the salt storage and salt pile area.	The Town will continue to conduct routine inspections of the salt storage and salt pile area.
Revised					
6-7	***Hazardous Material Storage***	Belmont Department of Public Works	1. Continue to conduct and document routine inspections of the areas containing oil in accordance with to the Spill Prevention Control and Countermeasure Plan. Keep records of inspections in a central location with the DPW Administration throughout the permit term.	The Town conducted and documented routine inspections in accordance with the Spill Prevention Control and Countermeasure Plan.	The Town will continue to conduct and document routine inspections in accordance with the Spill Prevention Control and Countermeasure Plan during Year 5.
Revised					

6a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6-8	***Construct Structural BMP's in area tributary to Spy Pond***	Belmont Office of Community Development	1. Construct some deep sump catch basins and baffle tanks near Spy Pond.	As part of a 319 Federal Grant, Arlington and Belmont jointly installed 11 leaching catch basins and 4 baffle manholes along the southern side of Spy Pond.	No activities are planned in Year 5.
Revised					
6-9	***Workshops on landscaping and non-point source pollution***	Belmont Office of Community Development	1. Conduct workshops	No additional activities were planned in Year 4.	No additional activities are planned in Year 5.
Revised					

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Attached are the results of the Wellington Brook Dry Weather Stormwater Sampling.

WELLINGTON BROOK - DRY WEATHER STORM WATER SAMPLING
BELMONT, MA
JB-209

Location Number	Street	Sample # 1st/2nd	Fecal Coliform per 100 ml - Date Sampled					Notes/Comments
			8/10/06	8/14/06	8/24/06	9/13/06	9/28/06	
22-1	Hittinger St		CNL	CNL				
22-2	Baker St		DRY	DRY				
22-3	Baker St		DRY	DRY				
22-4	Easement		CNL	CNL				FST FURTHER INVESTIGATION
22-5	Trowbridge St		SW	SW				
22-6	Underwood St		SW	SW				
36-7	Belmont High		SW	SW				GOOD
36-8	Belmont High		SW	SW				GOOD
36-9	Belmont High		SW	SW				GOOD
36-10	Concord Ave/ Belmont High		DRY	DRY				GOOD
23-11	Emerson St/ Concord Ave		COULD NOT OPEN					TOWN TO INVESTIGATE/OPEN
23-12	School St/ Orchard St	14/14A			>30000		5800	FST - CHASE UP STREAM
35-13	Gooden St/ Concord Ave		DRY	DRY				GOOD
35-14	High School Athletic Field	15/15A			700	200		GOOD
31-15	-		CNL	CNL				
31-16	Royal Rd/ Common St	3/3A	3480			5100		FST - CHASE UP STREAM
31-16	Royal Rd/ Common St	2/2A	1280				600	GOOD
31-18	Leonard St/ Concord Ave	16/16A			400		200	GOOD
31-19	Royal Rd		CNL	CNL				TOWN TO LOCATE MH'S IN EASEMENT ON ROYAL RD
31-20	Royal Rd/ Clark St		CB DRAINS MAY ENTER SEWER					FST - CHECK IF CB'S ARE CONNECTED
30-21	Pearson Rd	4/4A	1680		>30000			FST - CHASE UP STREAM - SAMPLES 4-6 ARE AT SAME MH
30-21	Pearson Rd	6/6A	>30000		>30000			FST - CHASE UP STREAM
30-21	Pearson Rd	5/5A	27900		24500			FST - CHASE UP STREAM
30-24	Pleasant St	18/18A			DRY	>30000		FST - CHASE UP STREAM
29-25	Beech St		DRY	DRY				GOOD
29-26	Davis Rd		DRY	DRY				GOOD
29-27	Hawthorne St/ Irving St	8/8A		15900	24200			FST - CHASE UP STREAM, VERIFY 20" LOCATION
29-28	Waverley Ter		SW	SW				GOOD
29-29	C St		CNL	CNL				TOWN TO INVESTIGATE - LOCATE DMH'S ON C ST AND GRANT AVE
29-30	B St		COULD NOT OPEN					TOWN TO INVESTIGATE/OPEN
29-31	Town Garage		DRY	DRY				GOOD
26-32	Leslie Rd		DRY	DRY				GOOD
26-33	Creeley Rd	9/9A		80		100		GOOD
26-34	Sabina Way		DRY	DRY				GOOD
14-35	Playground off Maple St	12/12A		3100		24400		FST - CHASE UP STREAM
14-36	Bartlett Ave to Alma Ave	11/11A		5200		1300		FST - CHASE UP STREAM DOWN ALMA AVE
14-36	Bartlett Ave		DRY	DRY				GOOD
14-37	Bartlett Ave		CNL	CNL				TOWN TO INVESTIGATE - LOCATE DMH'S ON BARTLETT AVE IF ANY
14-38	Trapelo Rd		CAPPED					FST - FURTHER INVESTIGATION
14-39	Trapelo Rd		DRY	DRY				GOOD
14-40	Trapelo Rd	10/10A		4300		8900		FST - CHASE UP STREAM
14-41	Wilson Ave	17/17A				>30000	1950	FST - CHASE UP STREAM
15-43	Maple St	13/13A		29300		17800		FST - CHASE UP STREAM
15-44	Maple St		CNL	CNL				TOWN TO INVESTIGATE - LOCATE DMH'S ON MAPLE ST
20-24	Pleasant St	19		1/12/2007	<20			

SW = Standing Water
CNL = Could Not Locate MH or Drain
Red = Avg.

Part V. Program Outputs & Accomplishments (OPTIONAL)
(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2006 through March 31, 2007)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures **	($)	
Total program expenditures since beginning of permit coverage	($)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		

Education, Involvement, and Training

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

Legal/Regulatory

	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
Regulatory Mechanism Status (indicate with "**X**")					
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control					
▪ Post-Development Stormwater Management					
Accompanying Regulation Status (indicate with "**X**")					
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control					
▪ Post-Development Stormwater Management					

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened **	(# or %)	
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	
Illicit discharges identified **	(#)	
Illicit discharges identified (Since beginning of permit coverage)	(#)	
Illicit connections removed **	(#); and (est. gpd)	
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	
% of population on sewer	(%)	
% of population on septic systems	(%)	

Construction

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

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections (for proper BMP installation & operation) completed **	(# or %)	
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	
Low-impact development (LID) practices permitted and encouraged	(y/n)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	
Qty of structures cleaned **	(#)	
Qty. of storm drain cleaned **	(%, LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	($)	
• Hourly or per basin contract rate **	($/hr or $ per basin)	
• Disposal cost**	($)	
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	
• Vacuum truck(s) owned/leased	(#)	
• Vacuum trucks specified in contracts	(y/n)	
• % Structures cleaned with clam shells **	(%)	
• % Structures cleaned with vactor **	(%)	

	(Preferred Units)	Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	($)	
• Hourly or lane mile contract rate **	($/hr. or ln mi.)	
• Disposal cost**	($)	
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	
• Vacuum street sweepers owned/leased	(#)	
• Vacuum street sweepers specified in contracts	(y/n)	
• % Roads swept with rotary brush sweepers **	%	
• % Roads swept with vacuum sweepers **	%	

Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	
Integrated Pest Management (IPM) Practices Implemented	(y/n)	

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized **	(y/n or %)	
Manual control spreaders used **	(y/n or %)	
Zero-velocity spreaders used **	(y/n or %)	
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	
• Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	