

Municipality/Organization: Belmont, MA

EPA NPDES Permit Number: MAR021074

MassDEP Transmittal Number: W-041153

**Annual Report Number
& Reporting Period:**

April 1, 2009 – March 31, 2010

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2010)

Part I. General Information

Contact Person: Peter J. Castanino

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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:

Thomas G. Younger

Printed Name: Thomas G. Younger

Title: Town Administrator

Date: April 29, 2010

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, except for the development of an Attitude Survey and a Stormwater By-Law. The Town of Belmont is committed to achieving all of the BMP goals set forth herein and will continue efforts to reach full compliance.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- Future
1-1	<i>Develop Stormwater Web Page on Town Web Site</i>	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	The Stormwater Web Page was revised adding stormwater-related activities within the Town.	Stormwater-related information will continue to be posted on the website.
Revised					
1-2	<i>Post Information on Town Hall Bulletin Boards</i>	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	<i>Distribute Educational Flyers with Community Newsletter</i>	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	The distribution of flyers was discontinued.	The Town will evaluate the effectiveness of reestablishing this practice.
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
1-4	<i>Provide Stormwater Information at "Meet Belmont"</i>	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 2009, 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 2010, and will provide stormwater-related information.
Revised					
1-5	<i>Provide Stormwater Information at Environmental Fair</i>	Belmont Office of Community Development, Belmont Department of Public Works	1. Provide stormwater information to residents at the Environmental Fair.	The Environmental Fair was not held in Year 7, so no activities were planned.	An Environmental Fair is currently not planned for Fall 2010. 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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
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.	Completed in Permit Year 1.	No activities are planned.
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	The DPW continued efforts on the annual storm drain-marking program.	Next year the DPW will continue their 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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
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.	A survey will be developed and conducted.
Revised					

2a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
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.	Completed in Permit Year 3.	No activities are planned.
Revised					

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) -- Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- Future
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 updated the outfall location map as required.	The Town will update the outfall location map as required.
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 in the future.
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 II of the Illicit Discharge Detection and Elimination Plan was completed with rehabilitation of sewer and storm drains in 2007. 30,000 LF of sewer and storm drains was lined (includes PMP). Follow-up sampling for Phase II has been conducted in 2008. A report of the follow-up sampling was submitted to DEP in December 2008. Dyed-water tracing and TV inspection of sewer and drain was conducted in 2009. Phase III has begun in the Wellington Brook Watershed. See BMP 3-7.	Follow-up sampling will continue in locations where results were inconclusive. A future rehabilitation project to remove additional illicit connections identified.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
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 in Permit Year 4. The Town also completed a flow monitoring program, which identified excessive I/I. A Flow Monitoring Report was submitted to DEP in September 2007. Sewer investigation to identify I/I sources were conducted in 2008/2009 and a SSES report was completed June 2009. A sewer rehabilitation project to remove I/I is currently under construction.	The construction project to remove I/I will continue through 2010. Design to remove additional I/I is anticipated in 2010 with construction following in 2011.
Revised					

3a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
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.	GIS mapping continues to be updated. Modeling of the sanitary sewer system was updated and calibrated based on the 2007 flow monitoring results. The sanitary sewer model was used extensively to design sewer overflow mitigation in the Winn's Brook Area. Construction of this project is currently ongoing.	The sewer model and GIS database will continue to be calibrated and updated.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
3-6	<i>Evaluation of sanitary and drainage systems in areas proposed under pavement management program</i>	Belmont Office of Community Development	1. Clean and TV inspect approximately 17,000 LF sanitary and drainage within roadways proposed for reconstruction under Town's pavement management program (PMP). 2. Evaluate and identify portions of system that need rehabilitation or replacement. 3. Implement recommendations in conjunction with pavement management program in these areas.	Sewer and storm drain rehabilitation for the Town's 2006 PMP was completed in 2007 (See BMP 3-3). In 2007-2008 an additional 23,400 LF of sanitary sewer and storm drain was clean and TV inspected. Rehabilitation was included in the Wellington Brook Watershed contract described in BMP 3-7. The Town also clean and TV inspected 3,600 LF of sanitary sewer and storm drain on Concord Ave for the 2009 PMP.	The 2007-2008 PMP rehabilitation will be completed in 2010. Rehabilitation of the sanitary sewer and storm drain will continue under future pavement management programs.
Revised					
3-7	<i>Evaluation of Illicit Sewer Connections to Storm Drains in Wellington Brook Watershed</i>	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.	Phase III – Sanitary sewer and storm drains underwent CCTV inspection along with building inspections/dyed-water testing to identify illicit connection. No direct connections were identified. Rehabilitation of sanitary sewer and storm drain began in October 2009.	The Wellington Brook Watershed construction project will be completed in 2010. Follow-up sampling will be conducted.
Revised					

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) -- Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- Future
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.	No activities are planned for next year. 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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
5-1	<i>Update Site Plan Review Process</i>	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.	No activities are planned for next year. 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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
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 7. The business district was swept twice weekly from April to November.	Street sweeping of all streets will occur twice next year. 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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
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.	The Town will continue to implement inspections and procedures in accordance with the Spill Prevention Control and Countermeasure Plan.
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.	The Town will continue to train employees in "green landscaping" techniques and to implement existing landscaping and lawn care practices.
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 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.
Revised					

6a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
6-8	<i>Construct Structural BMP's in area tributary to Spy Pond</i>	Belmont Office of Community Development	I. Construct some deep sump catch basins and baffle tanks near Spy Pond.	Completed in Permit Year 2.	No activities are planned.
Revised					
6-9	<i>Workshops on landscaping and non-point source pollution</i>	Belmont Office of Community Development	I. Conduct workshops	Completed in Permit year 2.	No activities are planned.
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Future
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Attached are the results of the Follow-up Dry Weather Stormwater Sampling in Outfalls 1, 2 & 10.

Outfall 1 – Outfall located at the end of Unity Ave and runs along Fairview Ave

Outfall 2 – Outfall located at intersection of Grove St and Huron Ave and runs along Dalton Rd

Outfall 10 – Outfall located at Little Pond and is tributary to Winn's Brook Area

**BELMONT, MASSACHUSETTS
FOLLOW-UP DRY WEATHER STORM WATER SAMPLING RESULTS
TABLE 1**

MH No.	Location	Sample No.*	E. Coll. Colonies per 100 mL - Date Sampled													
			7/8/08	7/9/08	7/14/08	7/18/08	10/21/08	11/3/08	11/4/08	11/5/08	11/20/08	5/22/2009	8/18/2009	8/28/2009		
OUTFALL 1																
	Outfall Area 1 - Oxford Cir	OF1E/OF1E2/OF1E3														
01D032	Park Rd at Unity Ave	OF1E2A/OF1E3A			260											
10D028	Fairview Ave at School St	OF1E3C														
03D038	Fairview Ave between Sullis Rd and Lewis Rd	OF1E3D														
03D008	Payson Rd at Fairview Ave	OF1E2B/OF1E5B														
04D010	Payson Rd at Benton Rd	OF1E4E												500		
08D028	Townsend Rd at Payson Rd	OF1E5F														

* Sample Numbers are in order of Date Sampled

BELMONT, MASSACHUSETTS
FOLLOW-UP DRY WEATHER STORM WATER SAMPLING RESULTS
TABLE 1

MH No.	Location	Sample No.*	E. Coli. Colonies per 100 mL - Date Sampled											
			7/8/08	7/9/08	7/14/08	7/19/08	10/21/08	11/3/08	11/4/08	11/5/08	11/20/08	5/21/2009	5/22/2009	8/18/2009
OUTFALL 10	Outfall Area 10 - Little Pond	OF 10E/OF 10E/22-OF 10E/30F 10E/40F 10E/50F 10E/60F 10E/7	2,040	1,200	750	970			8,600	19,500	5,000		300	
37D038	Intersection of Holt Rd and Brighton St	11/1A/1B/1D/1E	2,740		700				3,800				6,000	8,800
41D048	Brighton Rd. at Cross St	1A/1B/1D/1E/1			610				7,000				200	6,200
44D047	Albert Ave at Brighton St	1A2/1B2			100				<100					
44D047	Albert Ave at Brighton St	1A3/1B3			90				<100					
45D009	Albert Ave	1A4			100									
45D009	Albert Ave	1A5			80									
38D006	Intersection of Stabler Rd. and Newcastle Rd.	2D/2E	2,000											
38D006	Elliot Rd at Newcastle Rd	2D/2E/1												
37D055	Intersection of Westland Rd. and Waterhouse Rd., flow from Westland Rd.	3/3A/3B/3C/3E	2,440		10				>30,000		>30,000		14,000	1,800
37D055	Intersection of Westland Rd. and Waterhouse Rd., flow from Waterhouse Rd.	4/4A/4B/4C	830		No Sample/Trickle				>30,000		>30,000		>30,000	28,400
37D042	Holt Rd. at Waterhouse Rd	4A/1A/1B/1C/1			160				>30,000		6,200			
37D042	Holt Rd. at Waterhouse Rd	4A2/4B2/4C2			120				700		<100			
37D028	Sherman St	5/5B/5C	2,550		No Sample				>30,000		>30,000			
37D013	Intersection of Holt Rd and Dean St	6/6A	370		50									
37D009	Dean St at Holt Rd	6A1			10				2,100					
34D009	Intersection of Sherman St and Dean St	7/7B	580											
42D019	MH-42D019	8	220											
42D016	Cross St between Munroe St and Broad St	9/9A/9B/9C/9D		1,500		>3,000			3,400		7,200		200	
43D014	Munroe St. at Cross St	9A/10B/10C/10D/1				>3,000			1,800		1,000		<100	
43D014	Munroe St. at Cross St	9A2/9B2/9C2/9D2/9E2				470			<100		600		<100	100
43D020	Intersection of Munroe and Claffin	9A3/9B3/9C3/9E3				>3,000			100		6,800			>30,000
47D008	Pleasant St. at Munroe St.	9A/9B/4				2,280			100					
44D042	Frost St	9A/8							800					
44D024	Middecoff St. at Hurley	9A5/9B5/9D5				1,400			3,200				200	
44D015	Cowdin St. coming from Brighton St.	9A6/9B6/9C6				560			>30,000		2,000			
44D005	Chilton St. close to Brighton St.	9A7/9B7				>3,000			>30,000					
43D002	Intersection of Chilton St and Dean St	10/10A/10B/10D/10E		460		810			300			100		<100
43D001	Claffin St. at Dean St - Catch Basin	10A1				230								
43D022	Claffin St MH-43D022	10A2/10B2/10D2/10E2				1,150			400			<100	100	
34D082	Intersection of Claffin St and Winn St	11		30										
34D082	Intersection of Claffin St and Winn St	12		160										
CB	Dead end of Claffin St from Alexander Ave, middle catch basin.	13/13A/13B/13C/13E		2,710		2,850				5,500	3,000			>30,000
34D093	Claffin St. at Alexander Ave	13A/1/13B1				<10				100				
34D087	Claffin St. at Alexander Ave	13A2/13B2/13C2/13D2/13E2				1,000				>30,000	3,000		<100	>30,000
34D091	Claffin St. from Channing St	13A3/13B3/13C3/13E3				70				300	<100			200
48D024	Clifton St at Fletcher Rd	14		30										
48D011	Prospect St at Clifton St	15		20										
48D011	Prospect St at Clifton St	18		230										
54D025	Belmont Hill School parking lot	17		70										

* Sample Numbers are in order of Date Sampled

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, 2009 through March 31, 2010)

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)	

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 vacor **		(%)	

	(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 In 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 **	% 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	