FAY, SPOFFORD & THORNDIKE, LLC
Engineers • Planners • Scientists • Landscape Architects • Surveyors

5 Burlington Woods
Burlington, MA 01803
Toll Free 800.835.8666
Tel 781.221.1000
Fax 781.229.1115
www.fstinc.com

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April 27, 2005

United States Environmental Protection Agency
Water Technical Unit
P.O. Box 8127
Boston, Massachusetts 02114

Subject: NPDES Phase II Small MS4 General Permit (MA041027)
Annual Report
Arlington, Massachusetts

To Whom It May Concern:

In accordance with the provisions of the National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s), please find enclosed the 2004 Annual Report summarizing the status of Arlington's Stormwater Management Program. As required by the NPDES General Permit, a copy of this report has also been submitted to the Massachusetts Department of Environmental Protection, the co-permitting authority for the state of Massachusetts.

Please do not hesitate to contact me with any questions or comments regarding this submission.

Very truly yours,

FAY, SPOFFORD & THORNDIKE, LLC.
By

Dianne E. Velardocchia

Dianne E. Velardocchia, PE
Senior Engineer

Enclosures: NPDES PII Small MS4 General Permit
Annual Report

Cc: Don McCabe, Jr. (for municipal dist.)
Assistant Director of Public Works
Arlington, MA

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Municipality/Organization:	**Arlington, Massachusetts**
EPA NPDES Permit Number:	**MA041027**
MaDEP Transmittal Number:	**W-040959**
Annual Report Number & Reporting Period:	**No. 2: May 04-May 05**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person:	Don McCabe, Jr.	Title:	Assistant Director of Public Works
Telephone #:	781-316-3300	Email:	dmccabe@town.arlington.ma.us

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: Brian F. Sullivan

Printed Name: Brian Sullivan

Title: Town Manager

Date: 4/28/05

Part II. Self-Assessment

The Town of Arlington 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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
1-1	Place Educational Information on the Town's Website	Department of Public Works, Town Webmaster	**Spring '03 –Winter '07/08** ➢ Post stormwater related information on the Town Hall website. ➢ Update website regularly.	The final Stormwater Management Program (SWMP) was posted on website. Other stormwater related information was posted on Town Hall website.	The Town will continue posting stormwater related information on Town Hall website, including the SWMP Annual Report.
1-2	Conduct Household Hazardous Waste Collection Days	Department of Public Works, Arlington Recycling Committee	**Spring '03 –Winter '07/08** ➢ Sponsor 8 household hazardous waste collection days/yr. ➢ Develop the Arlington Recycling Program brochure and distribute to all Arlington residents via a mass mailing on an annual basis. ➢ Track the number and type of informational brochures collected by Arlington residents at the DPW and at the booth at Arlington Town Day. ➢ Send 8 press releases advertising the event to the *Arlington Advocate* and track whether they were published. ➢ Advertise the events on the Town's website.	The DPW sponsored 8 household hazardous waste collection days at the Minutemen Hazardous Product Facility in Lexington, MA. The events were advertised in the *Arlington Advocate* and on the Town's website. A brochure on Arlington's recycling program was distributed to new residents. The DPW hosted a booth at Arlington Town Day.	The DPW will continue to sponsor 8 household hazardous waste collection days annually and advertise these events in the *Arlington Advocate* and on the Town's website. The DPW will continue to host a booth at Arlington Town Day. The DPW will continue distributing a brochure on Arlington's recycling program to residents.
1-3	Intensify the Existing Pet Waste and Waterfowl Management Campaign	Board of Health, Animal Control Officer	**Spring '04/'05/'06/'07** ➢ Track the number of brochures distributed. ➢ Track the number of violations issued annually. ➢ Develop an informational press release on pet waste and waterfowl management for the *Arlington Advocate* and track whether it was published.	The brochure was not distributed during Permit Year 2.	The Town will distribute brochures and develop an informational press release on pet waste and waterfowl management for the *Arlington Advocate*. The Town will track number of violations.
1-4	Place Educational Information on Arlington Cable Television	Department of Public Works, Arlington Cable Television	**Fall '04 –Winter '07/08** ➢ Obtain "Oil Leak" and "Fertilizer" PSAs from the Washington State Department of Ecology Water Quality Consortium. ➢ Track how frequently the PSAs are broadcast on ACTV.	PSA's were not obtained during Permit Year 2.	The DPW will obtain the PSA's and broadcast on ACTV.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
1-5	Promote Water Conservation Practices for Homeowners	Department of Public Works	**Spring '03 –Winter '07/08** ➢ Post water conservation posters at Town Hall and the public libraries. ➢ Include water conservation bill inserts with the water bill. ➢ Issue an annual press release to the *Arlington Advocate* to promote water conservation.	Posters were hung in the Town Hall and public libraries. Educational displays on water conservation were also posted at the libraries. Rain barrels were sold to residents. Tips for water conservation were included in the water bill. Water conservation was promoted in the *Arlington Advocate*.	The DPW will continue posting water conservation posters at Town Hall and public libraries and including water conservation tips with the water bill. The DPW will issue an annual press release to the *Arlington Advocate* to promote water conservation. At DPW Day, brochures on water conservation will be distributed and dye tablets for toilets will be made available to residents.
1-6	Develop a Press Release and Flyer Targeting Community Businesses	Department of Public Works, Town Webmaster	**Fall '05/'07** ➢ Submit the press release to the *Arlington Advocate* and track whether it was published. ➢ Submit copies of the informational flyers to the Arlington Chamber of Commerce and track whether it was included in the newsletter. ➢ Post the informational flyer on the Town's website.	No activities were planned for Permit Year 2.	The DPW will develop an educational stormwater press release targeting businesses in community for submission to *Arlington Advocate*. The press release will be converted to a flyer that will be posted on Town's website and will be given to ACC for inclusion in the bimonthly newsletter.

1a. Additions

No additions to report at this time.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
2-1	Public Access to SWMP and Receipt of Comments	Department of Public Works, Town Webmaster	**Winter '03/04 – Winter '07/08** ➢ Make draft SWMP available to the public for the review and comment period. ➢ Finalize SWMP. ➢ Make the final SWMP accessible to the public via the Town's public libraries and website.	Comments on the draft SWMP were received and reviewed. The SWMP was finalized as appropriate and is available at the Town's public libraries and website, as well as the DPW office at Town Hall.	The DPW will continue to make the final SWMP available to the public via the Town's public libraries and website, as well as the DPW office at Town Hall and the DPW operations center.
2-2	Educational Outreach for Spy Pond	Spy Pond Committee, Friends of Spy Pond Park, Planning and Community Development Department	**Spring '03 –Winter '07/08** ➢ Develop fertilizer flyer and track the number of volunteers involved in its distribution. ➢ Develop door hanger and track the number of volunteers involved in its distribution. ➢ Sponsor ecological gardening classes and track the number of participants. ➢ Post Spy Pond-related information on the Spy Pond website and update website regularly. ➢ Host booths at Arlington Town Day	Fertilizer flyers were developed and distributed. Ecological gardening classes were sponsored. Spy Pond-related information was posted on Spy Pond website. There were booths at Arlington Town Day.	Educational outreach will continue by distributing fertilizer flyers and hosting booths at Arlington Town Day. Spy Pond-related information will continue to be posted on the Spy Pond website.
2-3	Sponsor Annual Cleanup at Spy Pond	Spy Pond Committee, Friends of Spy Pond Park, Department of Public Works, Planning and Community Development Dept.	**Spring '03/'04/'05/'06/'07** ➢ Track the number of cleanup volunteers and supporting businesses. ➢ Track the quantity and types of waste collected as a result of the cleanup event.	A clean-up at Spy Pond did not take place during Permit Year 2 because of a lack of volunteers.	A clean-up of Spy Pond is planned for May 14 –15, 2005 along the south side of the pond. As part of this effort, volunteers will repair eroded areas and place riprap along the shoreline to prevent future erosion.
2-4	Sponsor Storm Drain Marking Activities at Spy Pond	Spy Pond Committee, Planning and Community Development Department	**Spring '05** ➢ Identify areas where marking will take place and establish schedule for the activity. ➢ Track the number of storm drains marked each year. ➢ Track the number of volunteers assisting in the marking activity. ➢ Provide maintenance to previously installed markers as necessary. ➢ Publicize storm drain marking event(s) via a press release to the *Arlington Advocate*.	Storm drain marking was planned for end of Permit Year 2/beginning of Permit Year 3. No storm drain marking activities took place during Permit Year 2.	As part of a 319 Federal Grant, Arlington and Belmont will jointly mark storm drains to Spy Pond during Permit Year 3. The storm drain marking event will be publicized via a press release to the *Arlington Advocate*.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
2-5	Sponsor Annual Clean-up at Arlington Reservoir	Arlington Reservoir Committee, Department of Public Works	**Spring '03/'04/'05/'06/'07** ➢ Track the number of cleanup volunteers and supporting businesses. ➢ Track the quantity and types of waste collected as a result of the cleanup event.	A clean-up of Arlington Reservoir was conducted.	A clean-up of Arlington Reservoir will not occur during Permit Year 3 because it is currently under construction. Part of the proposed work includes wetland replication.
2-6	Conservation Land Stewards	Arlington Conservation Commission	**Spring '03 – Winter '07/08** ➢ Track the number of Land Steward volunteers. ➢ Maintain records of major activities, such as clean-ups, at individual sites. ➢ Develop an informational press release on the Land Steward Program for the *Arlington Advocate* and track whether it was published. ➢ Develop an informational brochure on the Land Steward Program and track the number of brochures collected by residents.	During Permit Year 2, Turkey Hill and Meadowbrook Park had clean ups, trail work and invasive species removal. Also, related to this topic, invasive plants were removed along the Minuteman bikepath by Green Streets, a group organized by Rep. Marzilli. The database of volunteers was updated to include new members. A draft supplemental handbook for invasive species was composed. The Stewardship Manual is available on the Town's website.	The annual meeting will be held on April 26, 2005. This meeting, which was advertised in the *Arlington Advocate*, will include new areas to adopt, a speaker on tree phenology, and formation of a committee to reissue the *Walking the Open Spaces of Arlington* book. A trail project and cleanup is currently underway at the Window on the Mystic. Also during Permit Year 3, the Conservation Land Stewards plan to have a Town Day booth and continue to coordinate stewards to inspect and cleanup sites through town.
2-7	A-B-C Stormwater Flooding Board to Address Issues in the Little River and Alewife Brook Areas	Board of Selectmen, Town Webmaster	**Spring '04 – Winter '07/08** ➢ Execute the Environmental Joint Powers Agreement. ➢ A-B-C Stormwater Flooding Board to meet throughout the permit term. ➢ Information and status of Board's activities to be reported on Town website and in the *Arlington Advocate*.	The Joint Powers Agreement was signed by Arlington, Belmont and Cambridge and has been sent to the state for ratification. The board drafted a report on flooding of Alewife Brook, which is posted on Belmont's website, with a link from Arlington's website. There was coordination with state (MWRA, DCR, MEMA) and federal (FEMA) agencies in order to further recommendations for flood storage solutions and to optimize the functions of pumps at the Amelia Earhardt Dam and the pump station at the confluence of Alewife Brook and Mystic River.	State to ratify the JPA. The Board will formalize recommendations for a monitoring system to be installed on the Alewife Brook, such as the number and locations of gauges and meters, costs, and allocations to each town. Information regarding the Board's activities to be posted on the Town's website and in the *Arlington Advocate*.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
2-8	Conduct Lawn Care/Landscaping Survey in Spy Pond Watershed	Spy Pond Committee, Planning and Community Development Department	**Summer '05/'06** ➢ Develop and distribute survey. ➢ Send a press release explaining the lawn care/landscaping survey to the *Arlington Advocate*. ➢ Track the number of completed surveys. ➢ Compile surveys to develop future educational outreach materials.	No activities were planned for Permit Year 2.	Under a 319 Federal Grant, this survey will be done jointly with Belmont.

2a. Additions

No additions to report at this time.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
3-1	Maintain Outfall Location Map	Department of Public Works	**Spring '03 – Winter '07/08** ➢ Update the outfall location map if there are any changes to the stormwater drainage system during the permit term.	Updated the outfall location map as required.	Update the outfall location map as required.
3-2	Revision of Existing General and Zoning Bylaws	Planning and Community Development Department, Arlington Conservation Commission, Engineering Division of the Department of Public Works	**Spring '04 – Winter '07/08** ➢ Review Town's existing General and Zoning Bylaws. ➢ Draft revised bylaws so that they fulfill the regulatory requirements of NPDES Phase II Minimum Control Measures 3, 4, and 5. ➢ Have revised bylaws available for public comment to gauge public acceptance and revise as necessary. ➢ Present revised bylaws to Town Meeting for adoption. ➢ Post revised bylaws on Town's website.	Planning and Community Development Department reviewed the Zoning Bylaws, particularly the Environmental Design Review (EDR) standards. A warrant article for 2005 Town Meeting was developed. The article would revise EDR standards to require stormwater BMPs to be applied on-site for new development projects.	The proposed warrant article will be presented at 2005 Town Meeting and if it passes, enforcement of it will begin. In addition, the Planning and Community Development Department will meet with the Conservation Commission and Engineering to develop stormwater-related warrant articles for 2006 Town Meeting.
3-3	Implement an Illicit Discharge Detection and Elimination Plan	Department of Public Works	**Winter '04/'05 – Winter '07/08** **Revise Date to Spring '05 – Winter '07/08** ➢ Develop an Illicit Discharge Detection and Elimination Plan. ➢ Conduct dry-weather field screening of outfalls and track the number of surveys indicating a possible illicit connection. ➢ Trace the source of potential illicit discharges. ➢ Track the number of illicit connections found. ➢ Track the number of illicit connections repaired/replaced. ➢ Report on the success of obtaining alternative funding to assist in illicit connection removal.	No activities were performed on this BMP during Permit Year 2.	The existing Illicit Discharge Detection and Elimination Plan will be reviewed and modified as required to be consistent with the NPDES Phase II regulations.
Revised			Implementation schedule revised as shown above.		

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
3-4	Rehabilitate and Replace Sanitary Sewer Pipes	Department of Public Works	**Spring '03 – Fall '05** ➢ Rehabilitation/replacement of sanitary sewer pipes exfiltrating wastewater. ➢ Maintain documentation of construction activities and re-sampling.	As part of the redevelopment of the former Symmes Hospital site, the developer conducted a survey of I/I along Hemlock Street, Landsdowne Road, and Dickson Avenue. Near Arlington High School, the sewer mains parallel to Mill Brook were relined and manholes were rehabilitated to eliminate I/I.	Sewer pipes in Landsdowne Road, Hemlock Street, and Pine Street will be rehabilitated. The developer of the Symmes Hospital will perform I/I removal activities based on the results of last year's survey. The State plans to re-line two MWRA sewer mains (20-inch and 36-inch diameter) along Mill Brook from Lexington town line to Grove Street. In addition, 225 feet of sewer pipe will be replaced along the frontage road to Route 2.

3a. Additions

3-5	Replacement and Maintenance of Mill Brook Culvert	Department of Public Works	**Summer '05 – Winter '07/08** ➢ Replace Mill Brook Culvert near Grove Street. ➢ Maintain culvert as required.	The Mill Brook Culvert was replaced from the Arlington Town Yard (at Grove Street) to the parking lot at Arlington High School (approx. within 200 ft of Mill Brook Drive).	The existing section of the culvert will be maintained and repaired as necessary.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
3-2	Revision of Existing General and Zoning Bylaws			See Section 3: Illicit Discharge Detection and Elimination	
4-1	Develop a Site Inspection Form and Conduct Site Inspections	Department of Public Works (Engineering Section)	**Spring '05 – Winter '07/08** ➢ Develop an ESC Site Inspection Form. ➢ Track the frequency of inspections conducted for each site. ➢ Track the completion of inspection forms. ➢ Track the number of failed ESC BMPs discovered on each site.	No activities were planned for Permit Year 2.	Site inspections of ESC best management practices at construction sites will be performed for projects that fall under the Environmental Design Review Standards. Records of these inspections will be maintained.
Revised			An ESC Site Inspection Form will not be developed. If passed during Town Meeting 2005, revisions to Environmental Design Review Standards (see BMP 3-2) will require developers to show ESC best management practices on proposed plans. Consequently, inspections of ESC BMPs will be part of the routine inspections that are performed by the Building Inspector and/or Engineering Department during construction.		
4-2	Develop and Implement a Citizen Tip Line	Department of Public Works, Town Webmaster	**Fall '05 – Winter '07/08** ➢ Establish the Citizen Tip Line. ➢ Advertise the Citizen Tip Line. ➢ Track the number of complaints received via the Citizen Tip Line. ➢ Track the problems/incidents remedied as a result of the Citizen Tip Line.	No activities were planned for Permit Year 2.	The Town currently has a software program, Trackwise, to receive and route calls from citizens. The program will be modified to accept calls regarding stormwater issues.

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
3-2	Revision of Existing General and Zoning Bylaws			See Section 3: Illicit Discharge Detection and Elimination	
5-1	Arlington Redevelopment Board Stormwater Design Guidelines	Planning and Community Development Department Arlington Redevelopment Board	**Spring '04** ➢ Obtain approval of the handbook by the Arlington Redevelopment Board. ➢ Track the distribution of handbook to developers.	No activities were performed on this BMP during Permit Year 2.	No activities are planned for Permit Year 3.
Revised			The Town is currently re-evaluating the need for this BMP in light of the proposed changes to Environmental Design Review Standards (See BMP 3-2) and possible future stormwater management related warrant articles. The Town believes that developers and their consultants should be familiar with stormwater BMPs and not require a handbook from the Town.		

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
6-1	Develop a Formal Training Program for DPW Staff	Department of Public Works	**Fall '04 – Winter '07/08** **Revise dates to Fall '05 – Winter '07/08** ➢ Establish a formal training program for DPW employees. ➢ Conduct training sessions with all current employees. ➢ Train all new DPW employees in accordance with the training program requirements. ➢ Track employee training activities and participation trained. ➢ Conduct refresher training for employees after every two years of employment.	No activities were performed on this BMP during Permit Year 2.	The DPW will develop a formal training program for DPW employees and commence training sessions.
Revised			Implementation schedule revised as shown above.		
6-2	Catch Basin Cleaning Program	Department of Public Works	**Spring '03 – Winter '07/08** ➢ Track the catch basins that are cleaned each year, including the leaching catch basins, Vortechnic devices and oil/water separator. ➢ Maintain a log of the disposed materials	The DPW completed the annual catch basin cleaning program as scheduled. The DPW maintained a log of disposed materials.	The DPW will continue the annual catch basin cleaning program.
6-3	Parking Lot and Street Sweeping Program	Department of Public Works	**Spring '03 – Winter '07/08** ➢ Track the streets and lots that are swept each year. ➢ Maintain a log of the disposed materials	The DPW completed annual parking lot and street sweeping program as scheduled. The Town has been divided into 35 districts and this grid system is used to schedule the street sweeping. The DPW maintained a log of disposed materials.	The DPW will continue annual parking lot and street sweeping program. Using GIS, the grid system and sweeping schedule will be placed on the Town's website so that residents will know when streets will be swept.
6-4	Implement Stormwater Pollution Prevention Plan	Department of Public Works	**Fall '04 – Winter '07/08** ➢ Review the recommendations outlined in Table 5 of the SWPPP. ➢ Develop a schedule to implement these recommendations. ➢ Track progress in implementing recommendations.	The DPW reviewed the recommendations outlined the SWPPP.	The DPW will develop a schedule of implementation of the recommendations and begin implementation.
6-5	Vehicle and Equipment Cleaning Policy	Department of Public Works	**Spring '03 – Winter '07/08** ➢ Continue to wash vehicles and equipment indoors. ➢ Incorporate policy requirements into the DPW employee-training program. ➢ Construct a new wash bay.	The DPW washed vehicles and equipment indoors to the extent possible.	The DPW will continue to wash vehicles and equipment indoors to the extent possible. This policy will be incorporated into the DPW employee-training program. A car/vehicle wash facility is proposed for the CIP for 2007.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
6-6	Develop a Landscaping and Lawn Care Policy	Department of Public Works	**Spring '05 – Winter '07/08** ➢ Develop and implement a landscaping and lawn care policy. ➢ Place policy in the DPW employee-training manual. ➢ Document employee training and periodic re-training.	No activities were planned for Permit Year 2.	The DPW will develop and implement a landscaping and lawn care policy. The policy will be incorporated into the DPW employee training manual.
6-7	Replace Stormwater Drainage System Along Summer Street	Department of Public Works	**Summer '04 – Fall '06** ➢ Install new stormwater drainage system in Summer Street. ➢ Maintain records of water quality sampling from the detention basin.	Installation of the stormwater drainage system began during Permit Year 2.	Installation of the new stormwater drainage system in Summer Street should be completed by Summer 2005.
Revised			Remove measurable goal, "Maintain records of water quality sampling from the detention basin."		
6-8	Maintenance of the Detention Basin at Reed's Brook	Department of Public Works	**Spring '04 – Winter '07/08** ➢ Develop a maintenance plan for the detention basin at the Reed's Brook site. ➢ Educate DPW employees on the proper maintenance of the detention basin and document training and periodic re-training. ➢ Maintain records of maintenance activities. ➢ Maintain records of water quality sampling from the detention basin.	A maintenance plan for the detention basin at the Reed's Brook site was developed as part of the construction plans.	The DPW will commence maintenance activities for the detention basin at the Reed's Brook site.
Revised			Add measurable goal, "Maintain records of water quality sampling from the detention basin."		
6-9	Install Leaching Catch Basins In Spy Pond Watershed	Planning and Community Development Department Department of Public Works	**Summer '05/06** ➢ Develop plans for leaching catch basins. ➢ Install leaching catch basins.	A Vortechnic device was installed at the Spy Pond Playground, off Linwood Circle, in Fall 2004.	A Stormceptor device will be installed at the Spy Pond Playground during Spring 2005. As part of a 319 Federal Grant, Arlington and Belmont are jointly installing 11 leaching catch basins and 4 baffle manholes along the southern side of Spy Pond. With a DCR grant, Town is planning on installing either deep sump or leaching catch basins along Pleasant Street.

6a. Additions

No additions to report at this time.

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

NOT APPLICABLE TO THE TOWN OF ARLINGTON

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

On a semi-annual basis, ground and surface water sampling is performed at the Reeds Brook Landfill. Surface water samples are collected from four sampling locations by dipping the bottle directly into the water. The field parameters pH, specific conductance, temperature, and dissolved oxygen are measured. The samples were collected on December 9, 2004 and the results are summarized in the table below.

Sampling Location	PH (su units)	Specific Conductance (µmhos/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)
SW-1 – Manhole east of landfill along Wright Street	7.8	806	1.5	8.10
SW-2 – Wetlands located east of landfill.	7.4	431	5.2	4.79
SW-3 – Stream located northwest of landfill at Reed Street	7.5	812	7.3	5.83
SW-4 – Culvert channel 50 yards east of SW-3	8.0	1386	8.9	0.74

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures	($)	

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	
Stormwater management committee established	(y/n)	N
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	8
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	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

Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	123
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	100%
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	
% of population on sewer	(%)	100%
% of population on septic systems	(%)	0%

Construction

Number of construction starts (>1-acre)	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	
Site inspections completed – *Wetlands Permits*	(# or %)	10
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and $)	0
Complaints/concerns received from public	(#)	

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections completed – *Wetland Permits*	(# or %)	10
Estimated volume of stormwater recharged	(gpy)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	3
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	3
Total number of structures cleaned	(#)	3765
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Landfill
Cost of screenings disposal	($)	

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	2
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	2
Qty. of sand/debris collected by sweeping	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	
Cost of sweepings disposal	($)	
Vacuum street sweepers purchased/leased	(#)	
Vacuum street sweepers specified in contracts	(y/n)	

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

Anti-/De-Icing products and ratios	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized	(y/n)	Y
Manual control spreaders used	(y/n)	Y
Automatic or Zero-velocity spreaders used	(y/n)	N
Estimated net reduction in typical year salt application	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	
Storage shed(s) in design or under construction	(y/n)	Y