Municipality/Organization: Lexington #1426

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Annual Report Number
& Reporting Period: **No. 10 April 1, 2012 to March 31, 2013**

NPDES Phase II Small MS4 General Permit Annual Report

Part I. General Information

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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: [signature]

Printed Name: Carl F. Valente

Title: Town Manager

Date: 4/30/2013

Part II. Self-Assessment

During this reporting year the Town of Lexington made significant achievements in volunteer involvement with its storm water program along with continued development on its detection and elimination of illicit discharges. These achievements included integrating volunteers into our expanding Illicit Discharge Detection and Elimination program. Our volunteer program was piloted last year with two teams that located and inventoried 18 outfalls. This year the program expanded to four teams that located and inventoried 65 outfalls. Volunteer training also expanded with the growth of the water quality sampling program. In conjunction with the Town's continued GIS work volunteers were provided with outfall maps for field work. In turn staff was able to edit current GIS with field verification completed by volunteers. This program also made significant advancements when the Town added six more field kits for each team to keep with them when needed. This small investment proved significant success to the programs sustainability for developing standard procedures for the volunteer field work with outfall inventory and screening. Another volunteer program that experienced growth and improvement was the Town's storm drain marker installation.

The storm drain marker program expanded from the Town's center business district to the neighborhoods abutting the Old Reservoir. Custom made storm drain markers were installed exclusively by volunteers. The markers are labeled to inform the public that the storm drains directly to the Old Reservoir. We were then able to have the volunteers assist with direct mailings to the neighborhoods where the markers were installed. This work has created another sustainable template to be used town wide for all storm drain marking projects.

Extensive work was done on GIS system mapping that included sanitary sewer under drains, outfalls and sub-watersheds by town staff and private consultants. Specifically a GIS map of the sanitary under drain of the Mystic River watershed was completed. This mapping has helped in the ongoing investigation into improving the water quality in the Mill Brook.

The Town completed a sewer relining project in the vicinity of the culverted portion of the main branch of the Vine Brook. This portion has had historically poor water quality. Also a water quality improvement project is under way at the Old Reservoir. This area is upstream of the main branch of the Vine Brook at the head area of the north branch of the brook.

Improvements have been made in sharing and gaining information with the Town's highway crews. Three separate field investigation days with highway and engineering staff provided the opportunity to discover six buried outfalls. These outfalls were documented as "unable to locate" during field investigation by the volunteers. The engineering staff then worked with the highway crew and the Town's jetting equipment to observe the outfall locations. The locations were then updated on the Town's storm water system maps.

An extensive stream study of the Shawsheen river watershed was completed this year. Several recommendations for stream restoration and water quality improvements were recommend as part of this study. A similar type study is currently underway in the

Mystic river watershed. These stream studies include stream walks by private consultants and town staff. During these stream walks outfalls are investigated and overall stream health is observed and any illicit pipes are investigated.

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
1A	Classroom Education	Conservation/ E. Schadler Engineering / D. Pavlik	Design and present elementary-school level session explaining stormwater system	Three workshops were given to elementary age students. • May 17, 2012 and September 20, 2012: workshops were offered to elementary students in Lexington. The two workshops were given at Parker Meadow, a local pond in the Shawsheen River Watershed. The workshops covered water quality and its relationships to the stormwater that flows to Parker Meadow. • November 15, 2012 -A third workshop was offered to a Boy Scout troop in Lexington.	Continue education efforts by offering educational programs to students or other groups of young people. Partner with elementary school science coordinator to integrate water quality project into existing educational program.
1A CONT.	Classroom Education	Conservation/ E. Schadler	Design and present elementary-school level session explaining stormwater system	"The Water Cycle" is part of the 3rd grade curriculum in the Lexington public elementary schools. This is a teachers' guide developed by Town Conservation and School staff.	Support use of the curriculum and keep it current.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
1A CONT.	Classroom Education	Engineering/ Engineering / J. Livsey, D. Pavlik and T. Malatesta	Design and present elementary-school level session explaining stormwater system	March 27, 2012 - Presented stormwater tour and presentation to high school Envirothon Team at DPW facility. May 24, 2012 - Presented stormwater demonstration using Enviroscape® to elementary school students during DPW open house.	Present stormwater demonstration to elementary school students at open house. Continue stormwater education during DPW classroom tours of stormwater BMP's installed at LEED certified facility.
1B	Create and Maintain Stormwater Web Site	Engineering/ Dave Pavlik	Maintain and update stormwater web page.	Posted stormwater updates on engineering and stormwater web page during permit year. February 15, 2013: posted final Stream Study for Shawsheen River watershed. Received emails from stakeholders pertaining to stormwater.	Continue to maintain the engineering and stormwater web page during the year. Post Mystic River Watershed stream study on stormwater web page when study is completed.
1C	Household hazardous waste collection days	DPW/ R. Beaudoin	Publish brochure with Recycling and Disposal Guidelines describing hazardous household waste products and hazardous waste drop dates and times	Completed 8 drop collection days at DPW Recycling Facility.	Continue program.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
1D	Education Pamphlets	Engineering / D. Pavlik Conservation/ E. Schadler Engineering / J. Livsey	Offer pamphlets at DPW/Engineering kiosks. Distribute educational material regarding storm water features during DPW facility tour. Send informational storm water mailings to specific neighborhoods.	Pamphlets offered at kiosks in Town buildings: • EPA – "Protecting Water Quality from Urban Runoff" • Stormwater Matters "Stormwater where does it go?" Distributed EPA's handout "Thirstin's Water Cycle Adventure" during DPW facility tour. Direct mailings sent to targeted neighborhoods: • Direct mailing to Old Reservoir neighborhoods for education on water quality improvements efforts. High bacteria have been found at public beach at Old Reservoir. Information in mailings includes custom storm drain markers and water quality improvement project. • May 8, 2012 & March 18, 2013 – 500 direct mailings to Hasting School neighborhood on proper dog waste disposal.	Place and maintain leaflets in public kiosks. Continue to offer handouts during DPW facility tours and at national public works week DPW open house.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
1E	Make use of available media to disseminate information on stormwater	Engineering/ D. Pavlik Conservation/ E. Schadler	Place posters for public display in town buildings. Post video storm water information to LexMedia. Use social media and electronic news outlets.	Partner with LexMedia (local cable network) for the presentation of "Reining in the Storm" on local cable channel. "Reining in the Storm" is an educational DVD detailing the benefits of Low Impact Development. Video was aired on following dates: April 23 & 24th 2012 June 5,7 & 9th 2012 September 14, 2013 - Created user account on Lexington Patch. Storm water workshop published on Lexington Patch.	Place posters in public buildings to announce storm water volunteer events or workshops. Submit articles to local news source to publicize storm water events and storm drain marker installation. Place posters in public buildings to announce storm water volunteer events or workshops. Partner with LexMedia (local cable network) for the presentation of public service announcement on IDDE. Work with Mystic River Watershed on public outreach efforts.
1F	Newsletter for watershed stewards program	Conservation/ E. Schadler	Publish newsletter.	Fall 2012 article included in Citizens for Lexington Conservation newsletter.	Continue to publish articles to stimulate involvement and education.
1G	Stream Neighbor Notices	Conservation/ E. Schadler Engineering/ D. Pavlik	Inform outfall abutters of water quality and outfall inventory program.	Volunteers communicated with abutters during outfall inventory and water quality sampling. A letter from the Engineering division is part of the volunteer package that is presented to abutters. This letter details the objective and purpose of the work.	Continue to communicate with stream abutters about water quality and outfall inventory efforts.

2 Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
2A	Citizen volunteers notify Town staff of poor stream health and stream blockage issues. *Replaced Stream Cleanup Day*	Conservation/ E Schadler Engineering/ J. Livsey Highway Dept./ M. Valenti	Maintain stream health and flow by maintaining streams regularly.	Watershed Stewards continually monitored various streams for trash and stream blockage and notify town employees as needed. Notification is by email or phone to Conservation or DPW staff. Currently working on stream blockage and trash clearing with Conservation staff as funded by Town Meeting as part of Highway Operations using hand tools. During this permit year sections of Vine Brook and Clematis Brook were cleared of several stream blockages of woody debris and trash.	Watershed Stewards continue to monitor various streams for trash and stream blockage and notify town employees as needed.
2B	Volunteer Water Quality Monitoring Program	Engineering/ D. Pavlik Conservation/ E. Schadler	Maintain watershed volunteer program for program sustainability.	Town Conservation and Engineering staff managed and developed water quality volunteer monitoring program. The program was expanded to three teams of two members. The program evolved from a pilot program that was completed in permit year 9. The pilot program successfully completed the inventory and screening of 18 outfalls. The year 10 program successfully screened and inventoried 65 outfalls.	Continue to support the water quality volunteer monitoring program into the next phase.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
2C	Storm Drain Markers Installation done with public involvement.	Conservation/ E. Schadler Engineering/ D. Pavlik	Volunteers install storm drain markers at catch basins that drain to town streams.	September 2012 to January 2013 – 60 custom made storm drain markers were installed at storm drains exclusively by volunteers. The markers were custom-made to reflect the local water body into which the storm water drains. In addition to the marker installation, a total of 125 storm drain sites were visited. The sites were checked to see if the curbing could accommodate the markers. After the installation was complete, all data was submitted to Town staff for record keeping. This particular project was done in conjunction with the public outreach control measure and the IDDE control measure. Mailings were sent to the abutters in the area of the storm drain markers along with information about the water quality improvement project being done their neighborhood.	Undertake additional volunteer storm drain marker installation.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
2D	Direct Mailings done with public involvement.	Conservation/ E. Schadler Engineering/ D. Pavlik	Use volunteers as part of direct mailings for public outreach.	Direct mailings sent to targeted neighborhoods: • January 13, 2013 - Direct mailing to Old Reservoir neighborhoods for education on water quality improvements efforts. High bacteria have been found at public beach at Old Reservoir. Information in mailings includes custom storm drain markers and water quality improvement project. • May 8, 2012 & March 18, 2013 – 500 direct mailings to Hasting School neighborhood on proper dog waste disposal.	Continue program.
2E	Stream Neighbor Notices	Conservation/ E. Schadler Engineering/ D. Pavlik	Inform outfall abutters of water quality and outfall inventory program.	Volunteers communicate with abutters during outfall inventory and water quality sampling. A letter from the Engineering division is part of the volunteer package that is presented to abutters. This letter details the objective and purpose of the work.	Continue to communicate with stream abutters about water quality and outfall inventory efforts.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
3A	Mapping of storm water outfalls and catchment areas. Mapping sanitary sewer under drain system.	Engineering/ D. Pavlik	Maintain data base for GIS mapping of Town's outfalls. Developed GIS layer of town's sanitary under drain system	Improved and update outfall maps using field investigations work. Work was done by town engineering and highway staff, volunteers and consultant. October 20, 2012 - Completed sanitary sewer under drain maps and septic systems in Mystic river watershed. December 12, 2012 – Consultant submitted town map of storm water sub-catchment areas.	Continue to integrate information from field work currently focused on the Mystic river watershed. Task complete no further action. Review and revise sub-catchment map as needed and integrate into storm water quality program.
3B	DPW Employee Education	Engineering/ D. Pavlik J. Livsey M. Flamang	Education of Town staff on development of Illicit Discharge Detection and Elimination program. Obtained information education guidance manual.	November 1, 2012 - Town Engineering staff attended water quality workshop at EPA labs, workshop given by US EPA Region 1. September 5, 2012- Town Engineering staff attended Mystic River Watershed Municipal Subcommittee meeting January 24, 2013-Town staff attended Science forum at EPA region 1. Town staff received and reviewed EPA's NPDES emails during the permit year.	Utilize and distribute EPA's NPDES email and other communication. Continue to meet with local watershed associations and attend EPA trainings

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
3C	Stormwater Bylaw	Conservation/ K. Mullins Engineering/ J. Livsey	Implement stormwater bylaw.	Bylaw was passed by Town Meeting in 2008. Bylaw prohibits non-stormwater discharges and pollutants into the MS4 or watercourses in the town and it includes enforcement methods.	Work with Town staff and user groups to continue administration of the bylaw.
3D	Illicit Discharge Recording System	Engineering/ M. Flamang	Record known points of illicit discharge	Maintain data base of points of illicit discharge and sample locations used to investigate.	Maintain the database and add points of discharge, sample locations and sample results.
3E	Locate and remediate potential sources of pollution	Engineering/ J Livsey	Direct the work of staff and engineering consultants to repair sanitary sewers.	Weston and Sampson Engineers has been working continuously since 2009 at a high level to clean, survey and repair sewers to stop exfiltration and prevent overflows of sewage into streams. This work has located areas of probable illicit discharges.	Continue work on program of comprehensive sanitary sewer repair and renewal.
3E	Locate and remediate potential sources of pollution	Engineering/ M. Flamang	Locate and remove illicit connections to storm drains for approximately 10% of town.	Began construction to improve town drainage in one neighborhood with excessive basement water problems. Survey of approximately 15% of town is complete.	Continue work on program of sanitary sewer repair and sump pump disconnection.
3E	Locate and remediate potential sources of pollution	Engineering/ M. Flamang D. Pavlik	Line aging sanitary sewers to prevent exfiltration of sewage into sewer underdrains that flow to streams.	Completed work on contract for repair and lining of sewers in Vine Brook vicinity.	Continue to test outfalls in area of relining project.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
3E CONT.	Locate and remediate potential sources of pollution	Engineering/ M. Flamang and D. Pavlik	Purchased water quality testing equipment for IDDE sampling. Contracted with environmental services company to provide laboratory testing on as needed schedule. Initiated volunteer water quality monitoring program. Created a "how to guide" for watershed steward volunteers to use in field for sampling and outfall inventory.	April 2012 to November 2013 – Water quality sampling of known hot spot were started. Town staff tested for ammonia concentrations. In addition, grab samples were taken for laboratory testing for fecal coliform and *E. Coli* concentrations. Laboratory samples were taken 23 times over a 7 month period. June 12, 2012 – Volunteer water quality sampling and outfall inventory program began. Program consists of four teams of volunteers sampling outfalls for ammonia concentrations and chlorine concentrations Teams also inventory outfalls along with photos.	Manage volunteer and staff effort to expand stream and outfall sampling. Expand sample data base to focus investigations on sources of pollution. Remediate sources when found.
3E	Locate and remediate potential sources of pollution	Engineering/ J Livsey and Recreation/ K.Simmons	Improve stormwater system in vicinity of Old Res to reduce wet weather contamination.	Construction is underway of water quality improvement project. Project is currently at 50% completion.	Water quality project estimated completion June 2013.
3F.	Illicit Discharge Detection and Elimination	Engineering/ J. Livsey, M. Flamang and D. Pavlik.	Completion of IDDE plan.	November 7, 2011 – Town of Lexington IDDE plan completed and submitted to EPA.	Work according to the IDDE plan for the year.
MOVED FROM 2C					
3G	Water quality monitoring Old Res *Moved from control measure 2c. Renamed and placed in appropriate control measure.*	Recreation Dept/ Karen Simmons	Sample and analyze drain outlets into Old Res Recreation Area.	In summer the Old Res is a public swimming pond. This water body is tested weekly in season for bacteria by the Recreation Department.	Continue sampling and reporting.

3H	Septic Systems Tracking Management *Moved from control measure 2D. Renamed and placed in appropriate control measure*	Health Dept/ K. Fox	Transfer data to electronic media, maintain and upgrade data	Maintained database and created GIS layer to record locations of active septic systems in Town.	Maintain the database.

MOVED FROM 2D

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
4A	Runoff Control	Conservation/ K. Mullins Engineering/ J. Livsey	Implement stormwater bylaw	Working with town staff and public to implement the bylaw. The bylaw prohibits non-stormwater discharges and pollutants into the MS4 or watercourses in the town and it includes enforcement methods.	Work with town staff and user groups to implement the bylaw.
4A	Runoff Control	Engineering/ J Livsey	Implement stormwater bylaw	Consolidated DPW inspection administration in Engineering Division to insure that all sites are inspected	Manage inspection program to assure complete coverage.
4A	Runoff Control	DPW/M Valenti	Issue notices for construction runoff remediation	Highway superintendent and staff have increased monitoring of construction sites and are issuing notices	Continue to monitor and issue notices.
4B	Inspection Staff Training	Building/ G. Rhodes Engineering/ J Livsey	Train inspection staff to look for and respond to risky construction site practices	Held joint meetings with engineering, public works and building inspection staff to improve communication between departments with respect to construction site runoff	Continue to hold joint meetings to improve interdepartmental communication.
4B CONT.	Inspection Staff Training	Building/ G. Rhodes Engineering/ J Livsey	Train inspection staff to look for and respond to risky construction site practices	Inspection staff of community development and engineering division have been trained and look for construction site erosion. August 28, 2012 – Town Engineer and construction inspector attended erosion and sediment control field day presented by the International Erosion Control Association.	Update and deliver training to reflect complete stormwater bylaw and regulations.
4C	Inspection and reporting	Engineering/ M. Flamang Conservation/ K. Mullins	Design and distribute handout for permits	During this year, the town staff consistently referred contractors to the EPA construction permit program. Engineering permits have been annotated to require as-builts of privately owned treatment facilities.	Continue to refer applicants for Building Permits to EPA permit program

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
5A	Inventory Construction Violations	Engineering/ J Livsey	Inspect all construction sites and record findings	Improved communication with Building Department. Inspected construction projects and shared information with Streets Superintendent and Building Commissioner.	Continue to share information on construction sites with other departments.
5B	Develop BMP's list	Engineering/ M. Flamang	Develop list of BMP's that are appropriate for Lexington public and private projects	Used MA Stormwater Handbook for review of plans and permit applications.	Utilize MA Stormwater Handbook.
5C	Post Construction Runoff Control	DPW/M Valenti	Issue notices verbal and in writing for runoff remediation.	Highway superintendent and staff have increased monitoring of sites where construction is complete and are issuing notices	Continue to monitor and issue notices
5D	Runoff Operation and Maintenance Plan	Conservation/ K. Mullins Engineering/ M. Flamang	Require in-house reviewers to screen permit applications for O&M plans	Staff screens permit applications for O&M plans.	Continue to require O&M Plans

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
6A	Employee training	Public Works/ D. Pavlik & D. Pinsonneault	Employee training for stormwater pollution prevention.	August 28, 2012 – Town Engineer and construction inspector attended erosion and sediment control field day presented by the International Erosion Control Association November 1, 2012 - Engineer assistant attended EPA workshop. New England Regional Lab Fall 2012 – Highway equipment operators and management staff participated in training of sanding equipment calibration. January 24, 2013-Town staff attended Science forum at EPA region 1.	Continue program.
6B	Municipal pollution prevention	Public Works/ D. Pinsonneault	Street sweeping and catch basin cleaning.	All town roads were sweep at least twice during the year. The center business district is swept three times per week. All town-owned catch basins were cleaned once during the year with a clam shell truck. A Vactor ® truck was used in addition on catch basins that required heavy cleaning.	Continue program

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
6C	Vehicle washing	Public Works/ D. Pinsonneault	Wash indoors to keep solids from stream	Continued DPW vehicle washing program. All vehicles are washed indoors in a facility that recycles wash water.	Continue program
6D	Used oil recycling	Public Works Operations/ D. Pinsonneault Public Works Solid Waste/ R.Beaudoin	Collect used oil at PW maintenance garage and make used oil recycling available at Town Recycling facility.	Contracted for maintenance garage recycling and offered household waste recycling townwide eight times per year.	Continue program
6E	Stream Cleaning	Public Works Operations/ M. Valenti	Remove debris from stream channel and banks.	February & March 2012 - Work crews removed debris from the main channels of the North and South branches of the Vine Brook, over a 20 day period. Contracted for maintenance garage recycling and offered household waste recycling townwide eight times per year.	Continue program.

7. Best Management Practices for Meeting total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

7A	Pet Waste Pollution Prevention	Conservation/ E Schadler Town Clerk/ D Hooper	Inform the public on the impact of pet waste on the environment	Distributed leaflet to dog owners when owners purchased dog license. Leaflet seeks to inform owners of the effects of improper waste disposal.	Continue program
7A Cont.	Pet Waste Pollution Prevention	Conservation/ E Schadler Town Clerk/ D Hooper	Engage the public to participate in proper disposal of pet waste	Continued "Lexington Green Paw" program. Informs dog owners of proper waste disposal methods and issues a stylish Green Paw tag to dogs when owner commits to dispose of waste properly.	Continue program
7B	Locate and remediate potential sources of pollution	Engineering/ M. Flamang D. Pavlik	Line aging sanitary sewers to prevent exfiltration of sewage into sewer underdrains that flow to streams.	Completed lining project for Vine Brook vicinity.	Begin stormwater sampling in area of lining contract.
7B	Stream Restoration	Engineering and Conservation/ J. Livsey and K.Mullins	Develop and Implement a Program of Waterway Maintenance and Restoration	Town has funded for a Stream Restoration Program which includes a study, permitting and program execution.	The effort this year will be to quantify the length and numbers of streams needing restoration and to develop scope for contractors to implement restoration in compliance with applicable regulations.

Part IV. Summary of Information Collected and Analyzed

The Town of Lexington received a final report on the condition of streams and culverts in the Shawsheen River basin in Lexington. Recommendations will be screened and incorporated into the town's Capital Improvement Plan.

During the reporting year, town forces and volunteers sampled outfalls on 23 days. Samples were analyzed by a laboratory for E. coli and in the field for ammonia.

Volunteers monitored 65 outfalls between June and December. Coliform and elevated ammonia levels were present in the samples but in no consistent pattern. The town will continue to sample and screen results with the goal of locating and eliminating sources of contaminants in the Lexington's streams.

In response to guidance received from EPA Region I, sampling efforts concentrated on the Mill Brook drainage area. Within the drainage area, several days of field investigation have been done. One buried structure has been found and uncovered. This buried catch basin is connected to a sanitary under drain. The sanitary sewer that is connected to the under drain has been found to be one of the oldest section of sewer line in Town. Two days of video inspection of the sanitary line has shown the line to be in fairly good condition. During this period we have also had the Town's consultant sampling at the downstream outfall at the Mill Brook.