Municipality/Organization: Town of Hollis, New Hampshire

EPA NPDES Permit Number: NHR041011

Annual Report Number & Reporting Period: No. 9: May 1, 2011-April 30, 2012

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

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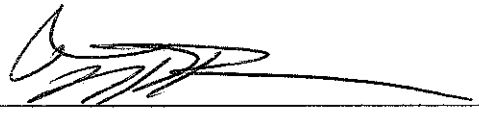
Certification:

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: 

Printed Name: Troy Brown

Title: Town Administrator

Date: 4-5-2012

Part II. Self-Assessment

The Town of Hollis, New Hampshire has completed the required self-assessment and has determined that the community is in general compliance with the MS4 permit requirements. During Permit Year nine, the Town of Hollis, under the direction of the Stormwater Management Committee (hereby referred to as the SMC), completed several compliance tasks and implemented several new initiatives in preparation for the new permit cycle. The SMC provides outreach to the community and actively implements stormwater management activities on behalf of the Town of Hollis. The SMC is composed of representatives of the following municipal departments: administration; building; code enforcement; conservation; planning; and public works. One member is an appointed volunteer from the community. The SMC periodically invites consultants, including the Town's septic inspector, planning consultant, and the Town's construction engineer, to meetings in order to keep the committee informed of changes in regulations at the state and federal levels that relate to stormwater issues. The SMC held five public meetings during this reporting period. SMC members also worked with other Town boards, committees and departments on regulatory and outreach issues during this reporting period.

Following is a general summary of the Town's efforts during Permit Year Nine.

Public Education/Outreach: The SMC continues to provide a variety of written and visual resource materials to educate and inform the public regarding stormwater issues. Four issues of "*The Tempest*", the SMC's quarterly newsletter were published in June, September and December of 2011 and in March of 2012. The newsletters covered a wide range of timely topics. The June newsletter was an update on the SMC's activities for the second quarter, which included a summary of the Town's Year 8 Annual Report and a report on two workshops (Drinking Water Source Protection Workshop and Small MS 4 General Stormwater Permit and Low Impact Development Training Clinic) that SMC members attended in May of 2011. The September issue was a special tri-fold brochure entitled *"Focus on Flints Pond."* The newsletter detailed the efforts of the Town and the Flints Pond Improvement Association's (FPIA) to improve the water quality in this 49 acre pond, which is on the State list of impaired waters. The first phase of the project included the physical removal of the invasive variable milfoil that plagues the pond by a process called hydro-raking. The second phase of the project involved the application of herbicide. This second phase of the project was partially funded through an *Invasive Aquatic Species Control Grant* from the New Hampshire Department of Environmental Services (NHDES). The FPIA also participates in the Volunteer Lakes Assessment Program (VLAP) and continues to monitor the water quality in the pond. The December newsletter's topic was on Low Impact Development (LID). This article compared the effectiveness of traditional methods of treating stormwater run-off with the newer methods such as rain gardens and green roofs. The March 2012 issue explained the process of selecting potential sites for municipal wells using the Favorable Gravel Well Analysis method developed by the NHDES. These newsletters can be found on the Town's website at www.hollisnh.org. Hard copies are available to the public at the Town Hall and Hollis Social Library. The newsletter is an ongoing effort of the SMC to inform and educate the public regarding water quality issues.

The SMC continues to add to its library of videos and books pertaining to water quality topics. The videos are periodically broadcast on the public access channel. The SMC's reading library keeps growing, and includes the most recent publications on topics such as management of construction sites, best management practices for composting, water conservation in the home, and source water protection. The SMC also subscribes to the *Stormwater* magazine.

The SMC continues to provide information and conducts outreach sessions targeting local residents during community events such as Old Home Days and the two Annual Roadside Cleanups. The SMC also submits a report summarizing the past year's activities and future goals for inclusion in the Town's Annual Report. Seven hundred fifty (750) 2011 Annual Town Reports were printed and distributed to residents prior to, and at, the annual March Town and School District Meetings.

The SMC is currently updating the Town's New Resident packet. This packet is given out to new residents when they come to Town offices to register vehicles and seek information about Town rules and regulations. A goal for this year is to make this information available on the Town's website.

The SMC continues to promote participation in the Regional Household Hazardous Waste Collection program sponsored by the Nashua Region Solid Waste Management District. The dates of these collection events are advertised on the public access channel, the Town's website and at the Town Hall.

The stormwater education curriculum program "When It Rains, It Drains" was completed and distributed to the schools in year 8. The Nashua Regional Planning Commission developed this curriculum for the regional towns that participate in the Stormwater Coalition.

Public Participation: The SMC's public meetings are held in accordance with NH RSA Chapter 91:A (The Right to Know Law). Minutes of these meetings are posted on the municipal website at www.hollisnh.org. Hard copies are kept in a notebook at the Hollis Town Hall.

The municipal website is updated periodically. The SMC welcomes feedback from the public regarding articles in the quarterly newsletter and questions regarding stormwater issues. The SMC will continue to invite members of the public and local business owners to participate and share their expertise on stormwater and other environmental topics.

In conjunction with the Hollis Conservation Commission (HCC), the SMC again helped to promote and participated in two roadside cleanup events, which were very successful. The Hollis Brookline Rotary Club, Cub Scouts and many Town residents participate in these events. In addition, the SMC shared a booth at Old Home Days with the HCC and a representative from the Nashua Regional Planning Commission. Copies of *"The Tempest"*, posters, maps, as well as other handouts on water quality and conservation, were on display and made available to the public. This year our neighbors at the Old Home Days event included the Flints Pond Improvement Association fishing booth, the Hollis Energy Committee's exhibit and the Public Works Department's recycling display, which featured a robot named "Rip Rap" made totally out of recycled materials.

The Public Works Department encourages voluntary recycling at the Transfer Station. In 2011, revenue from combined recyclables totaled $55,038.20 (674.31 T). This is an increase from the 2010 revenues, which totaled $42,473.78 (657.46 T). Public Works employees have installed new signs at the Transfer Station in an ongoing effort to educate the public about the benefits of recycling. The Public Works Department participated in Old Home Days. Their float featured "Rip Rap" the Recycle Robot. The names of residents who recycle were prominently displayed on the float.

Illicit Discharge Detection & Elimination (IDDE): This regulation has been in effect since December of 2009. The IDDE fills a major compliance requirement of the Town's permit.

In September of 2011, SMC member Cathy Hoffman conducted dry weather outfall monitoring in the MS 4 area on Flints Pond and Crestwood Drives. One questionable discharge coming from a residence was investigated and determined by Public Works Director Jeff Babel to be uncontaminated groundwater discharge from a basement sump pump, which is allowed under Section E.7. of the Town's Illicit Discharge Detection & Elimination Regulation.

Construction Site Runoff Control: The SMC works with the Planning Board and the Building Department to ensure that stormwater management practices are included in the building permitting, subdivision and site plan review processes. The Town's engineering consultant and site inspector are involved in every phase of the process. Site inspections for compliance are conducted on a regular basis.

The following are examples of stormwater management practices that the Town of Hollis routinely follows during the site plan and subdivision review process:

- The existing zoning regulations have established limits on the amount of impervious surface that may be constructed in the various zoning districts based on potential site use and the environmental sensitivity of the general area.
- The Aquifer Protection Overlay Zone Ordinance establishes stricter rules for development and use in an effort to protect the 36% of the Town's land area that is underlain by stratified drift aquifer.
- The Wetlands Conservation Overlay Zone section of the Town of Hollis Zoning Ordinance establishes a one hundred foot non-disturbance natural buffer around hydric soils, wetlands and surface waters. For all new development this buffer is strictly enforced. Relief from the ordinance must be sought through an appeal to the Zoning Board of Adjustment. Lots approved prior to the enactment of the ordinance are considered grandfathered and must be reviewed by staff for relief from the ordinance. In all subdivisions, developers are required to post signage (provided by the Hollis Conservation Commission and paid for by the developers) delineating the non-disturbance buffer area.
- The Town requires developers to maximize the infiltration of clean or treated surface run-off as a means to recharge groundwater.
- All applicants are required to prepare Erosion Control and Drainage Management plans for their projects. These plans must specify preventive measures to be implemented to protect local resource areas and to prevent sediment re-location.

- The Town routinely inspects local construction sites to ensure that the Erosion Control and Drainage Management plans are being effectively implemented. Where necessary, the Town initiates enforcement action to ensure that all deficiencies are corrected.
- Where appropriate, the Town requires applicants to submit proof that the applicant has filed a federal Notice of Intent to obtain a storm water discharge permit for construction activities. In addition, the Town requires applicants to also submit a copy of the Storm Water Pollution Prevention Plan developed for construction sites.

These practices will continue. In addition to the above, the Town continues to work with consultants on all subdivision and site plan applications to ensure compliance with Federal, State and Local regulations. Consultants also are called in to review individual residential building permit applications, for issues involving drainage, erosion control and potential wetland impacts.

In 2011 the Town passed an ordinance amendment permitting landscape materials yards in the Residential Agricultural Zone. The SMC participated in the review of the first application for this use. Conditions placed on the project include: adherence to the *Manual of Best Management Practices for Agriculture in New Hampshire, dated June 2011, as amended*, and *Best Management Practices for Handling of Agricultural Compost, Fertilizer and Manure*; on site fuel spill prevention and cleanup provisions; no burning or salt storage on site; and periodic inspections of the site by the Code Enforcement Officer for compliance with the conditions of approval. This 40 + acre site abuts the Nashua River, which is on the State list of impaired waters. To protect the surface water, the applicant is maintaining a 300' vegetative buffer from the river and has installed a 250' treatment swale to contain stormwater run-off.

Post Construction Runoff Control: The Town of Hollis requires all developers and site plan engineers to design construction projects with enhanced stormwater treatment, which provides pollutant attenuation, mitigates peak rates of flow and promotes infiltration of treated surface run-off into the soil. The Town of Hollis has used these regulations in conjunction with the State of New Hampshire Alteration of Terrain permitting requirements to promote effective long-term erosion control and storm water management at local construction sites. In addition, the SMC continues to review these regulations with its consultants and submits recommendations to the Planning Board for consideration.

The following are examples of stormwater management practices that the Town of Hollis routinely adopts during building permit, site plan and subdivision review:

- The existing zoning regulations have established limits on the amount of impervious surface that may be constructed in the various zoning districts based on the potential site use and environmental sensitivity of the general area.
- The Town requires developers and site plan engineers to maximize the infiltration of clean or treated surface run-off as a means to recharge the local aquifer.
- The Town routinely requires the development of drainage designs that provide pollutant attenuation, volume and flow mitigation.
- All applicants are required to prepare Erosion Control and Drainage Management plans for their projects. These plans must

specify preventive measures to be implemented to protect local resource areas and to prevent re-location of sediment.
- The Town requires the submittal of a drainage maintenance plan for commercial and industrial sites.
- The Town regularly inspects local construction sites to ensure that the drainage system is installed as originally proposed. Where necessary, the Town initiates enforcement action to ensure that all deficiencies are corrected.

These practices will continue.

Municipal Good Housekeeping: The Town of Hollis Public Works Department conducts annual Town wide drainage maintenance and street sweeping programs. The SMC continues to monitor storm water treatment practices at local facilities. These activities have reduced the environmental impact of municipal operations while also serving to protect local water quality.

The Town's transfer station is inspected yearly and the water quality monitored quarterly. Due to the installation of additional treatment swales and detention basins, the run-off from the transfer station site has virtually been eliminated for typical storm events. The Public Works Department has done an excellent job promoting recycling and implementing measures to reduce the impact of stormwater run-off. Public Works employees participate in training courses and workshops throughout the year for Household Hazardous Waste recertification and Drainage. SMC members attend workshops and conferences sponsored by the Local Government Center, the Office of Energy and Planning, the New Hampshire Department of Environmental Services (NHDES) and the American Groundwater Trust. These workshops are educational and informative and provide practical guidance regarding the protection of surface and groundwater.

The Town of Hollis continues to provide a number of disposal programs for local residents. The Town of Hollis supports the Nashua Regional Household Hazardous Waste Collection. This program sponsors six collection events annually where for a fee of $10 per vehicle local residents can safely dispose of a wide range of chemical waste commonly found in the home. Residents can also bring waste oil, antifreeze, batteries, fluorescent bulbs (and other items containing mercury), universal waste, waste cooking oil and ashes to the Hollis Transfer Station for proper off site disposal. There is an additional charge for the disposal of electronics. This service is offered on a year round basis. These efforts help to safeguard local water quality by providing residents with several options to safely dispose of hazardous materials. This approach helps to alleviate the risk that these materials will be discarded in such a manner that could threaten local water quality. In 2011, Hollis residents comprised 7.56% of the total district wide participation, which equates to roughly 5,394 pounds of waste removed from the waste stream. These statistics are from the Nashua Regional Planning Commission's annual report to the Town.

Public Works Department staff have been trained and directed to initiate a monthly review of each facility in order to monitor the storage and use of hazardous materials; to check for spills and releases; and to identify and correct conditions that could adversely impact water quality. Furthermore, the parking lots at all public facilities are swept and cleaned as part of an annual spring clean up in order to collect and remove sand used during winter de-icing activities.

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 9	Planned Activities – Permit Year10
1.A	Provide education and outreach material to the public.	Stormwater Management Committee	Provide pamphlets to be distributed at Town Hall on various water quality issues Publish quarterly newsletter Utilize public access channel, newspapers and public events and publications for announcements and information disbursement	Outreach material available to the public includes; septic system care and maintenance; proper disposal of hazardous material; and private water well testing. In addition the SMC also displayed stormwater outreach materials at a variety of public events. Published four issues of the newsletter *"The Tempest"* Utilized the Town's public access channel to broadcast informational material and DVDs related to source water protection Submitted summary of year's activity for the 2011 Annual Town Report	The SMC will continue to expand and modify its outreach effort through the distribution of educational literature. In addition, the SMC will update and expand the storm water information links on the municipal website. The SMC will continue publication of the quarterly newsletter The SMC plans to update the New Resident's packet for distribution at Town Hall and on the website. The SMC will submit a summary of year 9 activities for the 2011 Annual Town Report.
1.B	Training on storm water for all Town of Hollis Municipal Employees	Department of Public Works And Stormwater Management Committee	Train and advise municipal staff with regard to NPDES requirements	The Public Works Director provided annual refresher training to his staff as part of the routine inspection and site management program initiated at the municipal Highway Garage, Transfer Station and Stump Dump.	Continue to provide training to municipal staff as a means to re-enforce storm water awareness and promote the implementation of good housekeeping practices.
1.C	Develop educational material for Hollis School District	Stormwater Management Committee Nashua Regional Planning Commission (NRPC)	Prepare educational material for local schools describing effective storm water management.	The Stormwater Curriculum ("When It Rains, It Drains") has been completed and distributed to teachers in the Hollis School District	The SMC plans to develop supplementary educational initiatives linked to the Town's website to educate and promote awareness of the benefits of recycling, watershed protection and Stormwater Pollution Prevention.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 9	Planned Activities – Permit Year 10
2.A	Invite public to learn about and participate in local Storm Water Management Activities.	Stormwater Management Committee	Public notification • Cable • Newspaper • Municipal Website	The meetings of the Storm Water Committee were posted as public meetings with official notices posted at Town Hall, the Hollis Post Office and on the municipal website. In conjunction with the Conservation Commission, the SMC participated in three public events including Old Home Days and two Annual Roadside Cleanup events . Approximately 2,000 members of the public attended Old Home Days, and public participation in the roadside cleanups was 25-30 for each event.	The SMC proposes to continue sponsoring public meetings to keep the community informed of local storm water management activities. The SMC will work with local organizations such as the Flints Pond Improvement Association, the Nashua Regional Planning Commission, and the Hollis Conservation Commission to increase public involvement and participation in stormwater related activities.
2.B	Hold public forum to discuss compliance to the new permit (once it is adopted)	Board of Selectmen Stormwater Management Committee	Public Hearings • Conservation • Planning Bd • Selectmen • Stormwater Management Committee	No public hearings were held in year 9. However, a SMC member attended a training clinic on the draft Small MS 4 General Stormwater Permit and discussed changes with other members of the SMC at a public meeting.	The SMC will continue to hold bi-monthly public meetings and workshops and during the next permit year to discuss how the proposed changes will affect the Town's operations and budget. The Committee will schedule a public hearing regarding the new permit once it is adopted
2.C	Hold Stormwater Management Committee Public Meetings	Stormwater Management Committee	Convene public meetings to discuss local storm water management efforts	The SMC held 5 public meetings to discuss local and regional stormwater and water quality issues.	The SMC plans to sponsor bimonthly public meetings to review and discuss local stormwater management activities during the next permit year including the additional compliance requirements of the new permit cycle.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 9	Planned Activities – Permit Year 10
3.A	Map outfalls and discharges in permit coverage area.	Department of Public Works	The drainage system located in permit area has been mapped.	The Town has developed a general map of the drainage structures located in the permit area. The Town has also GPS located and mapped drainage structures located outside the permit area.	The town will continue to maintain and update this map as development occurs. Train Public Works staff to update and maintain database and map
3.B	Locate and map additional illicit discharges in permit coverage area.	Stormwater Management Committee Department of Public Works	Inspect water bodies located in the permit area to check for illicit discharges.	A member of the Committee monitored mapped outfalls in a portion of the MS 4 area. No illicit discharges were found.	The Town plans to continue monitoring the MS 4 area near the Nashua River and the area around Flints Pond located within the Permit Area, for illicit discharges and illegal dumping.
3.C	Analysis and reduction of TMDL levels.	Stormwater Management Committee	Identify impaired water bodies located within Permit Area. Promote enhanced storm water treatment in areas draining to impaired water bodies.	The Town has identified the local water bodies designated by the New Hampshire Department of Environmental Services as impaired. A draft TMDL has been submitted for Flints Pond. Local land use boards have been informed of these designations and advised to seek enhanced storm water treatment for all future development within the watershed of these resource areas.	The Town will continue to monitor the quality and designation of local resource areas working in conjunction with the Nashua River Watershed Association and the Flints Pond Improvement Association. The Town will continue to promote the implementation of enhanced storm water management practices in areas draining to impaired water bodies.
3.D	Illicit Discharge Detection and Elimination Regulation	Board of Selectmen	Implement and enforce Town-wide IDDE Regulation	The IDDE Regulation was adopted and implemented during year 8.	The Town will continue to enforce the existing IDDE Regulation.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 9	Planned Activities – Permit Year 10
4.A	Require storm water design reviews for all development proposals, site plan proposals and conditional use permits located with the permit area and Townwide.	Planning Board, Conservation Commission, Zoning Board of Appeals, Building Department	Review local development proposals for compliance with local storm water treatment and aquifer protection standards.	The Planning Board reviewed four (4) development proposals and (4) site plan proposals during this permit year. Each of these proposals was reviewed to confirm the adequacy of the storm water design and the completeness of the erosion control plan. Where appropriate, additional conditions were adopted to protect local resource areas. Seven (7) construction sites were inspected during this permit year for compliance to stormwater regulations and to ensure that erosion control measures for the sites were effectively implemented. The Planning Board reviewed and approved one site plan/conditional use permit for a landscape materials yard.	The Town of Hollis proposes to continue this practice during the next permit year. In addition, it should be noted that the Town has adopted and implemented aggressive stormwater treatment and aquifer protection standards for the entire town. As a result, protective measures extend beyond the designated MS 4 area. The Planning Board will continue to review all site plans for stormwater issues, considering input from the SMC and Conservation Commission.
4.B	Require increased payment for development and storm water design in the permit coverage area.	Board of Selectmen	Require increased payment for development and storm water design in the permit coverage area.	The Town of Hollis requires all developers to pay into a municipal escrow account that is used by the Town to hire an inspector to monitor local construction activity. Storm water management and erosion control are monitored as part of this activity. In addition, the Town's fee structure for residential building permits was updated in year 8 to ensure coverage of administrative costs.	The Town of Hollis plans to continue this practice during the next permit year. The Town's fee structure will be amended as necessary to ensure adequate cost coverage for fees and inspections.

5. Post-Construction Stormwater Management in New Development and Redevelopment

MP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 9	Planned Activities – Permit Year10
5.A	Inspect and report on compliance of newly constructed stormwater best management practices in the permit coverage area.	Planning Board Engineering Consultant	Conduct site inspections to monitor the construction and maintenance of storm water treatment features.	The Town's consultant monitored seven active sites town-wide for compliance with the property owners' SWPPPs.	The Town plans to continue these practices during permit year 10.

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 9	Planned Activities – Permit Year10
6.A	Continue catch basin cleaning program in permit coverage area.	Department of Public Works	Continue routine inspection and cleaning program of catch basins located in permit area. Expand Town-wide	DPW conducts a yearly inspection and maintenance program for the drainage structures located in the permit area and throughout the Town	Continue Town-wide routine maintenance program and maintenance efforts
6.B	Continue street sweeping program in the permit coverage area.	Department of Public Works	Continue street sweeping program in the permit area. Expand Town-wide	The DPW continues to implement an annual Town-wide street sweeping program.	Continue Town-wide municipal street sweeping program.

6.C	Continue development of computerized database catalog and GIS mapping records of storm water structures located within the permit coverage area.	Department of Public Works	Develop and maintain computer database of drainage system located with the permit area. Expand Town-wide	The Department of Public Works has developed a computer database of the drainage structures located within the permit area and updates these records as new structures are constructed.	The Department of Public Works will continue to maintain and update these records as new structures are constructed.
6.D	Continue inspecting and cataloging of storm water structures located in the permit coverage area	Department of Public Works	Inspect and record the drainage structures located in the permit area. Expand Town-wide.	DPW has cataloged and mapped the drainage structures located in the permit area. DPW has also cataloged and mapped structures located outside the permit area.	All future drainage structures constructed in the permit area will be added to this database. Municipal staff will continue to maintain and expand this database in order to document all the structures located in town. Public Works staff and/or the Town's construction engineer will inspect and file an inspection report for structures that have been inspected. This information will be added to the existing database.

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

BMP ID #	**BMP Description**	**Responsible Dept./Person Name**	**Measurable Goal(s)**	**Progress on Goal(s) – Permit Year 9**	**Planned Activities – Permit Year 10**
7.A	The Town of Hollis continues to monitor the progress of the NH DES to identify impaired water bodies and to establish TMDL's for these resources.	Stormwater Management Committee	Advise and inform local officials and the development community when NH DES adopts TMDL's for water bodies located within the local permit area.	The Town continues to monitor and review local water bodies designated as impaired by NH DES. In July of 2009, AECOM submitted a draft TMDL for Flints Pond in Hollis to US EPA Region 1. This report is available to the public at the Hollis Town Hall.	The Town will continue to monitor the status of the local impaired waterways. The Town will initiate control and preventative measures when a TMDL is adopted for a water body located within the Hollis permit area.

7a. Additions –N/A

7b. WLA Assessment ------ N/A

Part IV. Summary of Information Collected and Analyzed

- The Hollis Stormwater Management Committee has reviewed the water quality databases maintained by the New Hampshire Department of Environmental Services and the U.S. Environmental Protection Agency. During this review, we determined that there are no designated prime wetlands present in Hollis as defined by NH DES. However, Silver Lake, Flints Pond, Rocky Pond, Rocky Pond Brook III, Witches Brook, Pennichuck Pond, Pennichuck Brook II, and the Nissitissit and Nashua Rivers all fall under the NH DES Shoreland Protection Act. Five local water bodies appear on the 303 (d) list of impaired water bodies prepared by NH DES. The impaired water bodies include: the Nashua River, Flints Pond, Silver Lake, Muddy and Pennichuck Brooks. A draft TMDL for Flints Pond in Hollis was submitted to US EPA Region 1 in July of 2009. A regional TMDL has been adopted for basically all the water bodies located in Hollis and throughout New Hampshire to address the impacts created by the atmospheric deposition of mercury. This TMDL is an attempt to address impairments created by mercury deposition originating from emission sources located outside of New Hampshire. There are no known sources of mercury located in Hollis. The committee hopes to use this information to develop outreach materials to better inform local residents how their actions can influence local water quality while also describing preventive measures that can be initiated. Posters informing the public of the law banning the disposal of mercury-added products have been posted at the transfer station and in other public locations. In an effort to prevent improper disposal of mercury-containing products, the transfer station accepts these products, including fluorescent light bulbs, for recycling without charging a fee to residents.
- Site modifications continue to be implemented at the Hollis Stump Dump, Transfer Station and Highway Garage to enhance materials management and improve the treatment of stormwater at each of these sites.
- Drainage improvements were made at the Transfer Station. Retention basins were enlarged to promote onsite infiltration and reduce stormwater run-off.
- Stormwater treatment areas at the Transfer Station are periodically cleaned to ensure proper operation.
- The annual inspection of the Transfer Station was conducted on September 27, 2011.
- Quarterly water sampling at the Transfer Station: Due to the addition of an additional detention basin and enlargement of the existing basins, run-off from 2-year storm events has essentially been eliminated from the transfer station site.
- Restoration of the State boat launch at Flints Pond was completed by the Public Works Department in May in accordance with the NHDES requirements.
- Drainage improvements were completed during this permit year along the following Town roads: Cameron Drive, Ash Street, Richardson, Dow, Van Dyke, Nartoff, Baxter, Federal Hill, Mill, Rocky Pond, Ridge, Flagg and North Pepperell Roads; Twiss Fletcher, Shattuck, Brown, Lawrence, Wood and Snow Lanes.
- Street sweeping was conducted by F. B. Hale, Inc. in April and May of 2011
- In September-October of 2011, Felix Septic cleaned 563 catch basins.
- Additional information, agendas and Public Meeting Minutes can be supplied upon request.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater Management position created/staffed	Cathy Hoffman continues to serve as the Stormwater Coordinator
Annual program budget/expenditures	Approx $4,500 for consulting fees, workshops, water quality monitoring and printed outreach materials.

Education, Involvement, and Training

Estimated number of Town residents and the non-resident public reached by education and outreach program(s)	~2,500 (32%)
Stormwater Management Committee established	The Stormwater Management Committee continues to meet on a bimonthly basis.
Shoreline clean-up participation or quantity of shoreline miles cleaned	None
Household Hazardous Waste Collection Days	6 days scheduled this permit year
▪ days sponsored	6 days
▪ community participation	7.56%
▪ Hazardous recyclable materials collected: waste oil, antifreeze, all batteries except alkaline, , mercury-containing devices, Freon containing devices, electronics, CRT's, propane tanks, fluorescent bulbs, cell phones and waste cooking oil.	Collected year round at the Transfer Station. Compost, and yard waste are collected at the Stump Dump. Demolition material is collected at the Stump Dump and hauled to a waste disposal facility
School curricula implemented	Yes

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination				**X**
▪ Erosion & Sediment Control (integrated into zoning ordinance, site plan regulations and building permit approvals)				**X**
▪ Post-Development Stormwater Management		**X**	**X**	
Accompanying Regulation Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination				**X**
▪ Erosion & Sediment Control (integrated into zoning ordinance, site plan regulations and building permit approvals)				**X**
▪ Post-Development Stormwater Management		**X**	**X**	

Mapping and Illicit Discharges

Outfall mapping complete	100% in permit area	
Estimated or actual number of outfalls	15 in permit area	
System-Wide mapping complete	100% in permit area 95% Townwide	
Mapping method(s)		
▪ Paper/Mylar	75%	
▪ CADD	10%	
▪ GIS	90%	
Outfalls inspected/screened	1	
Illicit discharges identified	0	
Illicit connections removed	N/A	
% of population on sewer – Hollis is a town of private water wells and septic systems	(0%)	
% of population on septic systems	(100%)	

Construction

Number of construction starts (>1-acre)	4	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	100%	
Site inspections completed	7	
Tickets/Stop work orders issued	1	
Fines collected	None	
Complaints/concerns received from public	No formal complaints filed	

Post-Development Storm water Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction storm water control	100%	
Site inspections completed	7	
Estimated volume of storm water recharged	unknown	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	1 / YR	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	1 / YR	
Total number of structures cleaned	563	
Number of storm drains cleaned	0	
Qty. of screenings/debris removed from storm sewer infrastructure	280 cu yds	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)	Recycled	
Cost of screenings disposal	None	

Average frequency of street sweeping (non-commercial/non-arterial streets)	1 / YR	
Average frequency of street sweeping (commercial/arterial or other critical streets)	1 / YR	
Qty. of sand/debris collected by sweeping	500 cu yds	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	Recycled	
Cost of sweepings disposal	NONE	
Vacuum street sweepers purchased/leased	NONE	
Vacuum street sweepers specified in contracts	1 sweeper; 1 dump truck contracted	

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)

▪ Fertilizers	NONE	
▪ Herbicides	NONE	
▪ Pesticides	NONE	

Anti-/De-Icing products and ratios	NaCl & Sand Magic Salt	NaCL-straight NaCL:Sand 8 gal/yd
Pre-wetting techniques utilized	NO	
Manual control spreaders used	NO	
Automatic or Zero-velocity spreaders used	YES	
Estimated net reduction in typical year salt application	0	0
Salt pile(s) covered in storage shed(s) – New salt shed completed in 2006	YES	
Storage shed(s) in design or under construction	In use since 2006	