



**Draft for Public Comment**

# **2019 Stormwater Annual Report (2018 Activities)**

Town of Berlin, Connecticut  
Registration No. GSM000003  
February 12, 2019

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MMI #2293-08-46

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## 1.0 INTRODUCTION

This Annual Report has been prepared for the Town of Berlin as required in Section 6(i)(2) of the General Permit for the Discharge of Stormwater from Municipal Separate Storm Sewer Systems (the Permit). The town developed a Stormwater Management Plan (SMP) in association with its registration under this permit. This report is intended to summarize stormwater-related activities performed within the town during the 2018 calendar year.

## 2.0 MINIMUM CONTROL MEASURES

The current status of each minimum control measure has been reviewed. The town conducts activities that include several existing Best Management Practices (BMPs) and the development of proposed and future BMPs for implementation. The minimum control measures, current schedule, and anticipated completion or initiation date for each task are listed below. Additional information concerning the specific BMPs can be found in the Stormwater Management Plan (SMP).

## BMP #1 Public Education & Outreach (PE)

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
PE1: Implement a public education program for residents and students.	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The town has provided educational materials to residents through the following ways:</li> <li>A floor display created by the Town of Berlin Watershed Management Plan Implementation Committee and designed to educate residents on watershed management has been exhibited at town buildings at different intervals.</li> <li>The pamphlet <i>The Backyard Water Resources Guide</i> is made available to the public at several offices at Town Hall, such as the Planning &amp; Zoning Department and the Engineering Department.</li> <li>The Town Planner has placed the pamphlets <i>Managing Your Household Chemicals</i> and <i>Integrated Pest Management and Biological Controls for the Homeowner</i> published through the Connecticut NEMO (Nonpoint Education for Municipal Officials) program on the counter in her office for free distribution to the public.</li> </ul>	1. Provide educational materials to town residents.	Town Planner & Town Engineer	June 30, 2018	Ongoing	Educational materials continue to be distributed in municipal buildings and at town-sponsored functions.

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
		<ul style="list-style-type: none"> <li>The town offers a curbside recycling program through Bristol Resources Recovery, and disposal of hazardous wastes is coordinated by town staff. The town also allows residents to bring leaf collection wastes and used appliances to the Town Garage.</li> <li>The Town of Berlin website maintains a link to the Mattabeset River Watershed Association's (MRWA) website. The MRWA works with the Berlin Land Trust in many land protection projects.</li> <li>The Berlin Land Trust maintained an information table at the Berlin Fair distributing MRWA brochures.</li> </ul>					
	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The Upbeat Education program continues to educate youths on sustainable practices, including managing water quality.</li> </ul>	2. Continue UpBeat Education Program.	Town Engineer and Berlin Youth Service Bureau Director	June 30, 2018	2017	

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
PE2: Implement a public education program for industries and commercial entities.	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The Town Engineer's office coordinated with the Chamber of Commerce to develop an educational mailing fact sheet on disposal of hazardous materials for the industries that use and store hazardous materials. The fact sheet was included in its monthly mailings.</li> <li>All individuals submitting applications to the town are provided with literature on stormwater and sediment and erosion controls by the Planning Department. More specifically, this literature includes a checklist of the site plan application, which references stormwater drainage systems, drainage maps, and the location and details of sedimentation and erosion control measures.</li> </ul>	1. Mail educational materials to town businesses on an annual basis.	Chamber of Commerce	June 30, 2018	2017	



BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The Fire Marshal maintains a list of companies and businesses that use or store chemicals. The information is collected to ensure proper handling and disposal of materials. The list includes the names and locations of the industries and businesses, the quantity of the chemical used, and the hazard class.</li> <li>Businesses identified by the Fire Marshal and Watershed Management Plan Implementation Committee as using and storing chemicals are included on all exercises and emergency response scenarios that pertain to public health and environmental health. Participating companies include Stanley Chemicals, M. Harte, and the rail system.</li> </ul>	2. Exercises and Emergency Response Scenarios	Fire Marshal	June 30, 2018	2017	



BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
PE3: Implement a public education program for municipal officials and land use commissions.	Completed/ Ongoing	<ul style="list-style-type: none"> <li>An Operation and Maintenance Manual was distributed to the Physical Services Complex personnel for their use. This manual identifies potential sources of contamination that can be minimized with proper control to protect stormwater runoff. The manual addresses all public park areas, cemeteries, schools, fire stations, and maintenance facilities controlled by the town; employee training; housekeeping; and standard operating procedures for pollution control practices related to stormwater management.</li> </ul>	1. Annual Review Meetings with Land Use Commissions and the Town Council	Town Engineer and Town Planner	June 30, 2018	2017	
	Not Completed		2. NEMO Workshop, Town Council & land use commissions	Town Engineer and Town Planner	June 30, 2018	By June 30, 2019	Budget cuts, other high priority projects, and high staffing turnover have delayed the initiation of this task. The town plans to initiate the development of this workshop in early 2019.

## BMP #2 Public Involvement / Participation Plan (PI)

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
PI1: Comply with public notice requirements for the SMP and Annual Reports.	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The Town of Berlin maintains a "Document Center" web page. All stormwater management reports and documents are available for download.</li> </ul>	1. Publish a public notice on the town website to inform the public of the SMP and Annual Reports and allow for a 30-day comment period.	Town Engineer/ Town Planner	July 1, 2017	Completed annually	
	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The Town of Berlin regularly holds public meetings and hearings as part of the local land use process.</li> </ul>	2. Hold public information meeting in coordination with regularly scheduled Conservation Commission meeting.	Town Engineer	July 1, 2017	Ongoing	
PI2: Involve the public in watershed activities.	Completed/ Ongoing	<ul style="list-style-type: none"> <li>In addition to educating elementary school students about stormwater, UpBeat education has given a presentation at the Berlin Fair and plans to place additional markers on storm drains in the future.</li> </ul>	1. Hold public presentations through the UpBeat educational program and Berlin Land Trust.	Berlin Youth Services and Berlin Land Trust	July 1, 2017	Ongoing	

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
	Ongoing	<ul style="list-style-type: none"> <li>Approximately 500 catch basins received storm drain markers created through the Long Island Sound Fund in previous years. Several sources contributed to this effort, which included support from several Eagle Scout participants as well as the Berlin Youth Services.</li> </ul>	2. Coordinate curb marker installation through youth programs.	Town Engineer and Berlin Youth Services	July 1, 2017	Ongoing	The Eagle Scout program has been marking storm drains in late 2018 into early 2019. The town continues to support this activity throughout 2019.
	Completed/ Ongoing	<ul style="list-style-type: none"> <li>Yearly river cleanup in coordination with the Conservation District</li> </ul>	3. Sponsor river cleanups with particular attention to the Mattabeset River.	Town Engineer with MRWA	July 1, 2017	Ongoing	A river cleanup is typically completed on an annual basis in mid to late spring.
		<ul style="list-style-type: none"> <li>Since 1992, the Connecticut River Watch Program sponsored by the Connecticut River Coastal Conservation District has involved more than 200 people in collecting water quality and aquatic macroinvertebrate samples from the Mattabeset River and conducting stream walks to survey the physical characteristics of the river. This data is used to assess the overall health of the river. These events are open to the public.</li> </ul>	4. Support the Connecticut River Coastal Conservation District by providing information about volunteer opportunities and the Connecticut River Watch Program.	Town Planner	July 1, 2017	2017	

### BMP #3 Illicit Discharge Detection and Elimination Plan (ID)

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
ID1: Develop an Illicit Discharge Detection and Elimination (IDDE) Program.	Completed	<ul style="list-style-type: none"> <li>Section X.D.3 of the Town of Berlin Zoning Regulations prohibits nonstormwater discharges to the storm drainage system.</li> </ul>	1. Prohibit future nonstormwater discharges to the storm drainage system by regulation.	Town Planner	June 30, 2018	Prior to 2017	
	Completed	<ul style="list-style-type: none"> <li>Section XIV.B authorizes the Zoning Enforcement Officer to enforce Zoning Regulations, and Section 8-12 of the Connecticut General Statutes allows fines to be imposed for noncompliance. The town typically alerts the Connecticut Department of Energy &amp; Environmental Protection (CTDEEP) of any violations, which in turn issues fines to offenders. Therefore, this requirement is being met.</li> </ul>	2. Establish legal authority for the IDDE Program.	Town Planner	June 30, 2018	Prior to 2017	
	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The town typically relies on resident complaints to identify questionable discharges from outfalls or illegal dumping. The Town Engineer's office maintains a log of phone calls and reports that are received from staff and residents.</li> </ul>	3. Develop a written program for citizen reporting of illicit discharges.	Town Engineer	June 30, 2018	Prior to 2017	

	Ongoing	<ul style="list-style-type: none"> <li>Town continues to monitor for existing illicit discharges.</li> </ul>	4. Eliminate existing illicit discharges	Town Engineer	June 30, 2018	Prior to 2017	
	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The town cleans over 2,500 catch basins annually. The Town Engineer's office maintains a log of phone calls and reports that are received from staff and residents.</li> </ul>	5. Maintain a record of illicit discharge abatement activities and progress of mapping, prioritization, and investigations (include in Annual Report).	Town Engineer	June 30, 2018	Completed annually	The 14 outfalls identified by Milone & MacBroom, Inc. as part of the mapping process as exhibiting possible illicit discharges were last inspected in 2017. The town plans to assign a ranking and begin to monitor the six priority outfalls in 2019.

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
ID2: Develop mapping of storm drainage system and outfalls.	Ongoing		1. Develop mapping of all stormwater discharges from a pipe or conduit located within and owned or operated by the town and all interconnections with other MS4s (in Geographic Information System [GIS] format).	Town Engineer	June 30, 2019	June 30, 2019	Approximately 90 percent of the entire town's stormwater system has been mapped by a subcontractor and is actively updated.
	Ongoing		2. Delineate catchments to all outfalls.	Town Engineer	June 30, 2019	June 30, 2019	This is expected to continue in 2019.



BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
ID3: Implement catchment investigation procedures.	Completed/ Ongoing	<ul style="list-style-type: none"> <li>Catch basins and streets not in the immediate vicinity of the Mattabesset River or its tributaries have been investigated and prioritized based on field observations, grade, location, and registered complaints. The town cleans critical catch basins annually and when complaints are lodged. One-third of the catch basins in the town are inspected and cleaned on an annual basis. Catch basin cleaning is done by a vendor while street sweeping is completed by the town.</li> <li>The Highway Department staff continues to use the summary of the priority areas for catch basin cleaning and street sweeping.</li> </ul>	1. Assessment and priority rankings of catchments	Town Engineer	June 30, 2019	June 30, 2019	



	Not Complete		<p>2. Investigate catchments for suspected illicit discharges.</p> <p>a. Dry weather screening of every MS4 outfall and interconnection</p> <p>b. Complete catchment investigation procedure in problem catchments.</p> <p>c. Complete catchment investigation procedure in catchments where information indicates sewer input based on outfall/interconnection screening.</p> <p>d. Complete Catchment Investigation Procedure in 40 percent of the</p>	Town Engineer		<p>By June 30, 2020</p> <p>October 2018 – July 2020</p> <p>80 percent completion by June 30, 2020; 100 percent completion by June 30, 2022</p> <p>By June 30, 2022</p> <p>By June 30, 2022</p>	<p>Budget cuts, other high priority projects, and high staffing turnover have delayed the initiation of these tasks. The town plans to initiate these investigations in early 2019.</p>
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			area served by all MS4 catchments.  e. Complete catchment investigation procedure in 100 percent of the area served by all MS4 catchments.			By June 30, 2027	
	Ongoing		3. Removal and Confirmation	Town Engineer	Within 1 year of identifying ID	Within 1 year of identifying ID	
	Completed/ Ongoing	<ul style="list-style-type: none"> <li>Annual training of employees has been completed by the Fire Marshal at the Public Works recycling center.</li> </ul>	4. Annual employee training	Town Engineer	June 30, 2018	Completed annually	The town plans to complete this required annual training in early 2019.

### BMP #4 Construction Site Stormwater Runoff Control Plan (CSW)

BMP	Status	Activates in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
CSW1: Legal Authority	Completed	<ul style="list-style-type: none"> <li>Section X A of the Zoning Regulations alerts applicants to requirements for a CTDEEP Stormwater Permit. Prior to the submission of any local land use application, a preapplication meeting is held with town staff and the applicant's engineers. During this meeting, all applicants are made aware that they may need a CTDEEP General Permit for Stormwater Discharge.</li> <li>All plans approved by land use commissions and the Engineering office are required to have notes on the plan indicating that they meet the standards of the <i>2002 Sediment and Erosion Control Guidelines</i> and the <i>2004 Stormwater Quality Manual</i>.</li> </ul>	1. Require developers, construction site operators, or contractors to maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sedimentation Control</i> , <i>Connecticut Stormwater Quality Manual</i> , and all stormwater discharge permits issued by the DEEP within the town.	Town Planner	June 30, 2019	Prior to 2017	

	Completed	<ul style="list-style-type: none"> <li>The Berlin Zoning Regulations expressly require construction site operators to control discarded wastes, concrete truck washout, litter, chemicals, and sanitary wastes.</li> </ul>	2. Require the implementation of additional measures to protect/improve water quality as deemed necessary by the town.	Town Planner	June 30, 2019	Prior to 2017	
	Completed	<ul style="list-style-type: none"> <li>An inspection program for construction sites against which complaints are logged has been developed and executed by engineering staff, wetlands staff, and the Zoning Enforcement Officer. Preconstruction kickoff meetings are held, and inspections take place on a regular basis during construction on major projects.</li> </ul>	3. Require the town to carry out all inspection, surveillance, and monitoring procedures necessary to determine compliance with municipal regulations, ordinances, or programs related to the management of the town's MS4. Inspections shall be conducted to inventory privately owned retention ponds, detention ponds, and other stormwater basins that discharge to or receive drainage from the town's MS4.	Zoning Enforcement Officer/ Wetlands Agents	June 30, 2019	Prior to 2017	
	Completed	<ul style="list-style-type: none"> <li>The town currently requires applicants to provide a stormwater operation and maintenance plan with all new developments.</li> </ul>	4. Require the owner of a site seeking development approval from the town to provide and comply with a long-term maintenance plan and schedule to ensure the	Town Planner	June 30, 2019	Completed	

			performance and pollutant removal efficiency of privately owned retention ponds, detention ponds, and other stormwater basins that discharge to or receive discharge from the town's MS4 including short-term and long-term inspection and maintenance measures to be implemented by the private owner.				
	Completed /Ongoing	<ul style="list-style-type: none"> <li>This occurs during the course of the normal permitting process.</li> </ul>	5. Require the permittee to control through interagency or interjurisdictional agreements the contribution of pollutants between the town's MS4 and MS4s owned or operated by others.	Town Planner	June 30, 2019	Prior to 2017	

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
CSW2: Inter-departmental coordination	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The town achieves this goal through the normal function of its municipal departments, which are statutorily obligated to work in concert during the review and permitting of land disturbance projects within the MS4.</li> </ul>	1. Develop and implement a plan outlining how all municipal departments and boards with jurisdiction over the review, permitting, or approval of land disturbance and development projects within the MS4 will coordinate their functions with one another.	Town Engineer	July 1, 2017	Prior to 2017	

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
CSW3: Site Review and Inspection	Completed/Ongoing	<ul style="list-style-type: none"> <li>Both the commercial and residential construction site inspection checklists include sediment and erosion control.</li> </ul>	1. Conduct site plan reviews that incorporate consideration of stormwater controls or management practices to prevent or minimize impacts on water quality.	Zoning Enforcement Officer (ZEO)/Inland Wetland Agency (IWA)/Town Engineer	July 1, 2017	2017	
	Completed	<ul style="list-style-type: none"> <li>An inspection program for construction sites against which complaints are logged has been developed and executed by engineering staff, wetlands staff, and the Zoning Enforcement Officer. Preconstruction kickoff meetings are held, and inspections take place on a regular basis during construction on major projects.</li> <li>The Town Engineer has performed inspections of detention and retention basins as needed.</li> </ul>	2. Conduct site inspections and enforcement to assess the adequacy of the installation, maintenance, operation, and repair of construction and postconstruction control measures.	ZEO/IWA	July 1, 2017	2017	



BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
CSW4: Public Involvement	Completed/ Ongoing	<ul style="list-style-type: none"> <li>Town holds public hearings regarding land disturbance and development activities.</li> </ul>	1. Implement a procedure for receipt and consideration of information submitted by the public concerning proposed and ongoing land disturbance and development activities.	Town Planner	July 1, 2017	Prior to 2017	

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
CSW5: State Permit Notification	Completed/ Ongoing	<ul style="list-style-type: none"> <li>Prior to the submission of any local land use application, a preapplication meeting is held with town staff and the applicant's engineers. During this meeting, all applicants are made aware that they may need a CTDEEP General Permit for Stormwater Discharge.</li> </ul>	1. Implement a procedure for notifying developments or contractors of their potential obligation to obtain authorization under the DEEP's General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities if the project disturbs 1 or more acres of land and results in a point source discharge to the surface waters of the state directly or through the town's MS4. Include a provision informing developers/contractors of their obligation to provide a copy of the Stormwater Pollution Control Plan to the town upon request.	Town Planner/ Town Engineer	July 1, 2017	Prior to 2017	

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
CSW6: Additional measures for discharges to waters for which bacteria is a stormwater pollutant of concern.	Completed/Ongoing	<ul style="list-style-type: none"> <li>The review process for development projects has been streamlined to include an analysis of the preconstruction and postconstruction drainage runoffs from the development site.</li> </ul>	1. Conduct site plan reviews that incorporate consideration of stormwater controls or management practices to prevent or minimize impacts on water quality.	Town Engineer	July 1, 2017	Ongoing	

## BMP #5 Postconstruction Stormwater Management (DS)

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
DS1: Legal Authority	Completed / Ongoing	<ul style="list-style-type: none"> <li>The Berlin Wetlands and Watercourses Commission has adopted a regulatory 50-foot upland review area that requires that all activity within that area be reviewed and approved by the commission.</li> <li>Wherever possible, the town encourages low-impact standards (reduction of impervious coverage, stormwater detention, 80 percent total suspended solids removal, etc.).</li> </ul>	1. Establish ordinance, bylaw, regulation, standard, condition of approval, or other appropriate legal authority for Low Impact Development (LID) and runoff reduction site planning and development practices.	Town Planner	June 30, 2022	By June 30, 2021	
DS2: Enforce Runoff Reduction/ Low Impact Development (LID) Measures	Not Completed		<p>1. For redevelopment of sites that are currently developed with Directly Connected Impervious Areas (DCIA) of 40 percent or more, retain on site half the water quality volume for the site.</p> <p>2. For new development and redevelopment of sites with less than 40 percent DCIA, retain the water quality volume for the site.</p>	<p>Town Planner</p> <p>Town Planner</p>	June 30, 2022	<p>By July 2020</p> <p>By July 2020</p>	The town plans to initiate this in 2019.

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
DS3: Directly Connected Impervious Areas	Not Completed		1. Map and calculate DCIA in urbanized area.	Town Engineer	June 30, 2020	By July 2020	The town plans to initiate this in 2019.
DS4: Ensure long-term maintenance of BMPs.	In Progress	<ul style="list-style-type: none"> <li>The Town Engineer has developed an inventory of existing detention and retention basins utilizing <i>AutoCAD</i> software for subdivisions. All future plans will be incorporated into a maintenance software program currently being chosen by the town.</li> </ul>	<ol style="list-style-type: none"> <li>Incorporate locations of detention/retention basins in GIS stormwater mapping.</li> <li>Inspect stormwater basins.</li> <li>Require developers to submit Global Positioning System (GPS) coordinates/GIS mapping of all stormwater structures/basins.</li> </ol>	Town Engineer/ Department of Public Works (DPW)	June 30, 2020	By July 2020	

### BMP #6 Pollution Prevention / Good Housekeeping (OM)

BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
OM1: Employee Training	Completed/ Ongoing	<ul style="list-style-type: none"> <li>Annual training of employees has been completed by the Fire Marshal at the Public Works recycling center.</li> <li>Fact sheets have been completed and distributed to Public Works employees. They are included in the Operations and Maintenance Plan specifically for municipal operations. The fact sheets developed include the following: <ul style="list-style-type: none"> <li>Proper handling of waste oil and other waste material generated by vehicle maintenance</li> <li>Proper procedures for catch basin cleaning and disposal of catch basin sediments</li> <li>Proper handling and disposal of paints and other chemicals that may be stored at the Public Works garage</li> <li>Proper handling of fertilizers and pesticides</li> </ul> </li> </ul>	1. Continue a formal employee training program.	Refer to Table 9-2 in SMP.	June 30, 2019	Prior to 2017	The town plans to complete this required annual training in 2019.



BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
		and optimum application rates					
OM2: Infrastructure Repair, Rehabilitation, and Retrofit	Completed/Ongoing	<ul style="list-style-type: none"> <li>Town maintains infrastructure continuously. Catch basins and other infrastructure are maintained to effectively convey stormwater. Approximately 1/2 to 2/3 of catch basins are cleaned per year, with especially problematic basins cleaned each year.</li> </ul>	1. Implement program to repair/rehab infrastructure to reduce or eliminate pollutants.	Town Engineer	June 30, 2020	By December 2020	
OM3: MS4 Property and Operations Maintenance	Completed/Ongoing	<ul style="list-style-type: none"> <li>The town maintains town-owned lands in such a way as to be sensitive to the quantity and quality of stormwater runoff.</li> </ul>	1. Operate and maintain town-owned lands to minimize discharge of pollutants.	Town Engineer	July 1, 2017	Ongoing	
OM4: Road and Bridge Maintenance	Completed/Ongoing	<ul style="list-style-type: none"> <li>The town limits the use of sand on roads, sweeps roads regularly, and ensures that stormwater is flowing as designed.</li> </ul>	1. Operate and maintain town-owned roads in a manner that minimizes discharge of pollutants.	Town Engineer	July 1, 2017	Ongoing	
OM5: Snow Management Practices	Completed/Ongoing	<ul style="list-style-type: none"> <li>The town continues to use treated salt product instead of road sand to reduce ice on roads.</li> </ul>	1. Operate and maintain snow/ice management equipment and supplies to minimize discharge of pollutants.	Town Engineer	July 1, 2017	Prior to 2017	



BMP	Status	Activities in Current Reporting Period	Measurable Goals	Responsible Party	Due	Date Completed or Projected Completion Date	Additional Details
OM6: Interconnected MS4s	Completed/ Ongoing	<ul style="list-style-type: none"> <li>The town works with the Department of Transportation and other owners of interconnected MS4s to ensure compliance.</li> </ul>	1. Ensure coordination of and communication with the operators of interconnected MS4s.	Town Engineer	July 1, 2017	Ongoing	
OM7: Sources Contributing Pollutants to the MS4	Completed/ Ongoing	<ul style="list-style-type: none"> <li>Occurs as part of normal zoning/wetland enforcement</li> </ul>	1. Control contribution of pollution from non-MS4 properties.	Land Use Commissions	July 1, 2017	Ongoing	

### 3.0 CONCLUSION

The Town of Berlin has addressed the major BMP activities scheduled for 2018 in a timely fashion and continues to implement ongoing BMPs into 2019.

The town is also mindful of the due date of forthcoming BMP goals and plans to begin implementation as soon as possible.

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