

Final 2017 MS4GP Schedule (Footnote 1)										Disclaimer: This schedule is guidance only. Refer to final 2017 MS4GP for official permit requirements										
Task / Permit Section References	YR1 Q1	YR1 Q2	YR1 Q3	YR1 Q4	YR2 Q1	YR2 Q2	YR2 Q3	YR2 Q4	YR3 Q1	YR3 Q2	YR3 Q3	YR3 Q4	YR4 Q1	YR4 Q2	YR4 Q3	YR4 Q4	YR5 Q1	YR5 Q2	YR5 Q3	YR5 Q4
<b>Certification of Endangered Species (1.9.1, App. C) and Historic Properties (1.9.2, App. D) compliance for inclusion in NOI.</b>	(several step process for both ESA & Historic Properties permit eligibility certifications)																			
<b>Submit Notice of Intent (1.7. and App. E)</b> If another entity will satisfy all your permit obligations (1.10.c) note in part IV of NOI Attach any draft alternative chloride, bacteria/pathogen, and P reduction plans (App F)	(NOI due within 90 days of permit effective date)(Before authorizing permit coverage EPA could ask for changes based on comments received during 30 day public comment period)																			
<b>Modify Existing BMPs and Measureable Goals (1.10.b)</b>																				
<b>Include in Written SWMP (1.10.2) after ONE YEAR:</b>																				
Staff responsibilities																				
List waterbody segment & status																				
Document surface/groundwater drinking water sources at risk																				
List Interconnected MS4s & rec.waters																				
Document ESA/ Historic Properties compliance (App. C & D)																				
List of discharges causing viol.(2.1.1.d) i.e. address viol. in 60 days and desc. of response.																				
MEP (2.3) including for all 6 measureable goals: BMPs, staff and schedule																				
Measures to protect drinking water (3.2)																				
Annual Program Evaluation (4.1). Keep copy with SWMP.																				
<b>Include in Written SWMP (1.10.2) after 2 YEARS:</b>																				
List Interconnected MS4s & rec.waters																				
Written procedures to require As-builts and ensure long term O&M (2.3.6.b.)																				
Map (2.3.4.5)																				
<b>Include in Written SWMP (1.10.2) after 4 YEARS:</b>																				
Report assessing current street/lot design, etc. that affect creation of impervious																				
<b>Include in Written SWMP (1.10.2) See Schedules in App F and H:</b>	Variable Schedule =>																			
Practices to comply with TMDL (2.2.1) including BMPs, goals, resp. staff																				
BMPs and goals for discharges to WQ Limited water bodies (2.2.2) resp. staff and iterative sched. (N, P, Bact, cl- ,O&G/solids/metals)																				
Desc. of other practices to achieve compliance with w.q. based requirements (2.1)																				
<b>Water Quality (W.Q.) Based Effluent Limitations (2.1 and 2.2)</b>																				
<b>Discharges from MS4 outfalls to Waterbody with TMDL (2.1.1.b.)</b>	Follow Schedule in Appendix F (See Below)																			
<b>Discharges from MS4 outfalls to W.Q. Limited waterbody (2.1.1.c.)</b>	Follow Schedule in Appendix H (See Below)																			
<b>Eliminate condition "causing/contributing" within 60 Days(2.1.1.d), except:</b> where pollutant of concern in a discharge is subject to 2.2.1, 2.2.2 or 2.3.4																				
<b>Increased Discharges from MS4 to Tier 3 (ORW) of Tier 2 (HQW)</b> waters are subject to antidegradation review (2.1.2.a.)	Incorporate authorizations into SWMP					Incorporate authorizations into SWMP					Incorporate authorizations into SWMP					Incorporate authorizations into SWMP				
<b>Increased Discharges from MS4 to Impaired Waters are</b> Prohibited (2.1.2.b.) (with below Exceptions): 1. Pollutant causing impairment not present in MS4 outfall, Or 2. Load of pollutant(s) causing impairment will not increase	Document as appropriate in SWMP					Document as appropriate in SWMP					Document as appropriate in SWMP					Document as appropriate in SWMP				
<b>Identify in SWMP and Annual Reports outfalls (incl. interconnected to other MS4) subject to TMDL (2.2.1) or W.Q. Limited (2.2.2)</b>	Update																			
<b>Discharges from MS4 outfalls to Waterbody and Tribs with TMDL (2.1.1.b.)</b> <b>TMDL for acid/aluminum impaired ponds/lakes and mercury (2.2.1.c.)</b> Eliminate any condition causing/contributing to impairment and not due to atmospheric deposition (e.g.spills, acid leachate, Hg switches) (2.1.1.d)	Update																			
<b>TMDL for Chloride (If applicable - See 2.2.1.d. and App F, Part I.1):</b>	Option to App F, Part I.1 is to develop chloride reduction plan and schedule approvable by EPA/DES per App F, Part I.2. Implement using schedule in approved plan.																			

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Chloride Reduction Plan Including:	[Redacted]																Full Implementation by end of permit term (year 5)															
Develop schedule for implementation																	Implement operational/training measures				Implement operational/training measures				Implement operational/training measures				Update			
Track municipal salt usage and begin reporting in year 2 annual report																	Update				Update				Update				Update			
Planned municipal salt reduction measures, quantities, schedule																	Update				Update				Update				Update			
Identify private lots > 10 acres and private streets																	Update				Update				Update				Update			
Require private lot/street owners/operators be trained and certified																	Update				Update				Update				Update			
Require private owners/operators track/report salt usage	Update				Update				Update				Update																			
Require new development/redevelopment to minimize, track/report salt usage	Update				Update				Update				Update																			
<b>TMDL for Bacteria/Pathogens (If applicable - See 2.2.1.e and App F, Part II.1)</b>	Option to App F, Part II.1 is to develop bacteria/pathogen reduction plan and schedule approvable by EPA/DES per App F, Part II.2. Implement using schedule in approve plan.																															
Enhanced MEP BMPs for all bacteria TMDLs:	[Redacted]																															
Disseminate educational materials to dog owners (2.3.2.1.c.i)	At least one annual message (e.g. when dog licenses renewed) including penalties for non-compliance																															
Disseminate educational materials to septic system owners (2.3.2.1.c.i)	Provide information on proper septic system maintenance to owners located in catchments leading to waters impaired for bacteria/pathogens																															
Designate Catchments to impaired waters as Problem/High Priority (2.3.4.8.)	Include in IDDE program per schedule in 2.3.4.8.a.																															
<b>TMDL for Lake/Pond Phosphorus (if applicable - See 2.2.1.f and App F, Part III.1)</b>	Option to App F, Part III.1 is to develop phosphorus reduction plan and schedule approvable by EPA/DES per App F, Part III.2. Implement using schedule in approved plan.																															
Develop and Implement Lake/Pond Phosphorus Control Plan (LPCP) (App F, Part III.1.ii.c) within 15 years including:	[Redacted]																															
LPCP Legal Analysis/ by-law and ordinance updates	YEARS 2/5																															
LPCP Cost and Funding Source Assessment	YEAR 3																															
Define LPCP Scope (LPCP Geographic Area)	YEAR 4																															
Calculate baseline P, allowable P and required P reduction	YEAR 4																															
Description of planned structural and non-structural controls	YEAR 5																															
Description of Operation and Maintenance Program	YEAR 5																															
Implementation Schedule	YEAR 5																															
Cost and Funding Source Assessment	YEAR 5																															
Complete written LPCP (public notice, update, keep on line)	YEAR 5																															
Full Implementation of non-structural controls	YEAR 6																															
Performance Evaluations (Track P red./incr.)	YEARS (6 through 15)																															
Annual Report (BMPs, P red./inc./export, maint. dates/cert)	YEARS 6 to 15																															
Update LPCP (reflect changes in BMPs and implementation)	YEAR 10																															
Required P Reduction	Varies YEARS 8, 10, 13 and Complete by 15																															
<b>Discharges from MS4 outfalls to W.Q Limited Water and Tributaries without TMDL (2.1.1.c. and 2.2.2.a. through e. below) (Footnotes 4 and 5)</b>	[Redacted]																															
<b>NITROGEN - Part 2.2.2.a.i listed MS4s must follow App H, Part I:</b>	Permittee is relieved of this part if it is able to report in NOI that there are no regulated stormwater discharges to a nitrogen impaired water (see Part 2.2.2.a.iii)																															
MEP BMP Enhancements (App H, Part I, 1.a.i.1 through 3).	[Redacted]																															
1. Replace residential educ./outreach program (2.3.2) with spring message on clippings/slow release fertilizer and fall on leaf litter	Two messages (spring and fall)				Two messages (spring and fall)				Two messages (spring and fall)				Two messages (spring and fall)				Two messages (spring and fall)															
2a. Include in ordinance update (2.3.6.a.ii.) a requirement that BMPs for new/ redevelopment be optimized for N removal.	[Redacted]																															
2b. In retrofit inventory and priority ranking (2.3.6.e.) include consideration of BMPs to reduce N discharges.	[Redacted]																															
3a. Include requirement to use slow release fertilizer and procedures to control clipping/leaves on permittee owned property (2.3.7.1)	[Redacted]																															
3b. Increased street sweeping to 1/year in spring (after sanding); and at least 1/year in the fall or fall leaf collection program (2.3.7.1.d.iii.)	One sweeping in Spring				One sweeping in Spring				One sweeping in Spring				One sweeping in Spring				One sweeping in Spring															
Nitrogen Source Identification Report (due with year 4 annual report)	Sweeping or collect leaves in fall				Sweeping or collect leaves in fall				Sweeping or collect leaves in fall				Sweeping or collect leaves in fall				Sweeping or collect leaves in fall															
Evaluate permittee property for structural BMPs or retrofits by year 5	[Redacted]																															
Provide list of planned structural BMP's with installation schedule in year 5 annual report	[Redacted]																															
Plan and install at least one structural BMP by year 6	[Redacted]																															
Install rest of BMPs on list in accordance with schedule in year 5 A.R.	[Redacted]																															
Track N removal (App H, Att. 1) for new BMPs and include in A.R. starting Yr 7	[Redacted]																															
<b>PHOSPHORUS - Part 2.2.2.b.i MS4s must follow App H, Part II:</b>	Permittee is relieved of this part if it is able to report in NOI that there are no regulated stormwater discharges to a phosphorus impaired water (see Part 2.2.2.b.iii)																															
MEP BMP Enhancements (App H, Part II, 1.a.i.1 through 3).	[Redacted]																															
1a. If permittee subject to App H, Part I, 1.a (i.e. nitrogen) include Apr/May residential message on use of phosphorus free fertilizer	one residential message in April or May				one residential message in April or May				one residential message in April or May				one residential message in April or May				one residential message in April or May															
1b. If permittee not subject to App H, Par I, 1.a (i.e. nitrogen) replace	[Redacted]																															

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the residential program in 2.3.2 with minimum of annual timed messages on the following:																																							
Clippings disposal and use of low release and P free fertilizer	one message in spring				one message in spring				one message in spring				one message in spring				one message in spring																						
Proper disposal of fall leaf litter	one message in fall				one message in fall				one message in fall				one message in fall				one message in fall																						
2a. Include in ordinance update (2.3.6.a.ii.) a requirement that BMPs for new/ redevelopment be optimized for P removal.	[Redacted]																																						
2b. In retrofit inventory and priority ranking (2.3.6.e.) include consideration of BMPs to reduce P discharges.	[Redacted]																																						
3a. Include requirement to control clippings/leaves on permittee owned property, prohibit blowing waste onto impervious (2.3.7.1)	[Redacted]																																						
3b. Increased street sweeping to 1/year in spring (after sanding); and at least 1/year in the fall or fall leaf collection program (2.3.7.1.d.iii.)	One sweeping in Spring				One sweeping in Spring				One sweeping in Spring				One sweeping in Spring				One sweeping in Spring																						
Phosphorus Source Identification Report (due w/ year 4 annual report)	[Redacted]																Update																						
Evaluate permittee property for structural BMPs or retrofits by year 5	[Redacted]																																						
Provide list of planned structural BMP's with installation schedule in year 5 annual report	[Redacted]																																						
Plan and install at least one structural BMP by year 6	[Redacted]																																						
Install rest of BMPs on list in accordance with schedule in year 5 A.R.	[Redacted]																																						
Track P removal for all new BMPs and include in A.R. starting on or before Yr 7	[Redacted]																																						
<b>BACTERIA/PATHOGENS - Part 2.2.2.c.i MS4s must follow App H, Part III</b>	Permittee is relieved of this part if it is able to report in NOI that there are no regulated stormwater discharges to a bacteria/pathogen impaired water (see Part 2.2.2.c.iii)																																						
MEP BMP Enhancements (App H, Part III.a.i.)	[Redacted]																																						
Disseminate educational materials to dog owners (2.3.2.1.c.i)	At least one annual message (e.g. when dog licenses renewed) including penalties for non-compliance																																						
Disseminate educational materials to septic system owners (2.3.2.1.c.i)	Provide information on proper septic system maintenance to owners located in catchments leading to waters impaired for bacteria/pathogens																																						
Designate Catchments to impaired waters as Problem/High Priority (2.3.4.8.c.i)	Include in IDDE program (within one year)																																						
<b>CHLORIDE - Part 2.2.2.d.i MS4s must follow App H, Part IV</b>	Permittee is relieved of this part if it is able to report in NOI that there are no regulated stormwater discharges to a chloride impaired water (see Part 2.2.2.d.iii)																																						
<b>Salt Reduction Plan Including:</b>	Complete written plan by end Yr 3										Full Implementation by end of permit term (year 5)																												
Develop schedule for implementation	Implement operational/training measures				Implement operational/training measures				Implement operational/training measures				Implement operational/training measures				Implement operational/training measures																						
Track municipal salt usage and begin reporting in year 2 annual report	Update				Update				Update				Update				Update																						
Planned municipal salt reduction measures, quantities, schedule	[Redacted]																																						
Identify private lots > 10 spaces and private streets	[Redacted]																																						
Require private lot/street owners/operators be trained and certified	[Redacted]																																						
Require private owners/operators track/report salt usage	[Redacted]																																						
Require new development/redevelopment to track/report salt usage	Update				Update				Update				Update				Update																						
<b>OIL/GREASE, SOLIDS, METALS - Part 2.2.2.e.i MS4s and MS4s not able to address new impairments in 60 days must follow App H, Part V</b>	Permittee is relieved of this part if it is able to report in NOI that there are no regulated stormwater discharges to a TPH, O&G, TSS, Turbidity or metals impaired water (see Part 2.2.2.e.iii)																																						
MEP BMP Enhancements (App H, Part V.1.a.i.)	[Redacted]																																						
1a. In commercial/industrial land prohibit infiltration (see 3.1), provide spill control, etc. (3.2) or use shutdown/containment designs (2.3.6)	[Redacted]																																						
1b. Consider treatment = bioinfiltration in EPA BMP perf. analysis (2010)	[Redacted]																																						
2a. Increase street sweeping frequency to address high pollutant loads	Report any increased sweeping				Report any increased sweeping				Report any increased sweeping				Report any increased sweeping				Report any increased sweeping																						
2b. Increase catch basin cleaning freq. to address high pollutant loads	Report any increased CB cleaning				Report any increased CB cleaning				Report any increased CB cleaning				Report any increased CB cleaning				Report any increased CB cleaning																						
<b>Requirements to Reduce Pollutants in Stormwater to the Maximum Extent Practicable (MEP) (2.3) See Footnote 6</b>	[Redacted]																																						
<b>Public Ed./Outreach (2.3.2) -</b> Two educational messages per year, 8 total and min.of 2 per audience (residents, business/institutional, developers, industrial) Assess message effectiveness and modify as needed	Two messages (>1 yr apart for each audience)				Two messages				Two messages				Two messages				Two messages																						
Document messages and their effectiveness in annual reports	Update				Update				Update				Update				Update																						
<b>Public Involvement (2.3.3) -</b> Annual opportunity to participate in review and implementation of SWMP (may include websites, hotlines, clean up teams monitoring teams or an advisory committee)	One opportunity to participate				One opportunity to participate				One opportunity to participate				One opportunity to participate				One opportunity to participate																						
<b>Illicit Discharge Detection and Elimination Program (IDDE) (2.3.4)</b>	[Redacted]																																						
<b>IDDE Legal Authority (2.3.4.a.)</b>	May 1, 2008 deadline has passed																																						





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Inspect permittee-owned stormwater treatment structures (excluding CB) 1/year				Inspect				Inspect				Inspect				Inspect				Inspect	
Report on status of items in 2.3.7.1.a.-d. (inventory, O&M prog, maint. activities)				Update				Update				Update				Update				Update	
Maintain records of maintenance activities and training required by 2.3.7.1.a.-d.				Maintain Records				Maintain Records				Maintain Records				Maintain Records				Maintain Records	
Develop and Implement SWPPPs for maintenance garages, DPW yards, transfer stations, other waste handling facilities where pollutants are exposed to stormwater in accordance with 2.3.7.2.b. and signed per App B. <b>Footnote 10</b>																					
Preventative maintenance inspections at least 1/quarter and keep maint. records	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	PM insp.	
Enclose/cover salt piles and implement control measures for loading/unloading																					
Document min. of annual training on SWPPP(date, subjects, time period, names)				Update				Update				Update				Update				Update	
Inspect areas exposed to st.w. and all st.w. control measures at least quarterly including at least one inspection when discharge is occurring.	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	Inspection	
Repair/replace failing control measures before next storm as soon as practicable				Update				Update				Update				Update				Update	
Report findings of site inspections in each annual report				Update				Update				Update				Update				Update	
<b>State Requirements for MS4s in New Hampshire (3.1)</b>																					
Use infiltration where feasible in all MEP measures and BMPs.(2.3), but prohibit infiltration meeting UIC definition (unless get separate permit) or in gasoline dispensing areas, or high load stormwater in groundwater protection areas, or in areas with groundwater or soil above state of NH standards.	Part 2.3 schedules/reporting requirements				Part 2.3 schedules/reporting requirements				Part 2.3 schedules/reporting requirements				Part 2.3 schedules/reporting requirements				Part 2.3 schedules/reporting requirements				
<b>New Hampshire Public Drinking Water Requirements (3.2)</b>																					
Consider DW sources/protection areas priorities in implementing MEP BMP (2.3) Pretreat discharges to DW sources/protection areas and provide spill control. Avoid direct st.w. discharges to DW and comply w/ setbacks/vertical separation																					
Develop and implement a plan to notify public water suppliers during emergencies	Part 2.3 schedules/reporting requirements				Part 2.3 schedules/reporting requirements				Part 2.3 schedules/reporting requirements				Part 2.3 schedules/reporting requirements				Part 2.3 schedules/reporting requirements				
<b>Program Evaluation, Record Keeping, and Reporting (4.0)</b>																					
Annual self evaluation of compliance with the permit and keep in the SWPPP		Annual Self Evaluation				Annual Self Evaluation				Annual Self Evaluation				Annual Self Evaluation				Annual Self Evaluation			
Evaluate effectiveness of BMPs and document modifications to BMPs in A.R.				Update				Update				Update				Update				Update	
Maintain records for at least 5 years. Submit only info required in annual reports.				Update				Update				Update				Update				Update	
Monitor outfalls per part 4.3. Document this/other monitoring in A.R.(4.3.2 and 3).				Update				Update				Update				Update				Update	
<b>Non-Traditional MS4s Permit Exceptions (5.0)</b>																					
Non-traditional MS4s (state/county/fed operated) must follow permit except for part 5.0 and include appropriate conditions (5.1.1 and 5.1.4) in SWMP and document in A.R. (5.1.1 and 5.1.3)				Update				Update				Update				Update				Update	
<b>Requirements for Transportation Agencies (6.0)</b>																					
NHDOT must follow permit except for items listed in part 6.0 and include appropriate conditions (6.1 and 6.3) in SWMP and document in A.R. (6.1 and 6.3)				Update				Update				Update				Update				Update	
<b>FOOTNOTES:</b>																					
1. Permit will become effective on July 1, 2018 which is 18 months from date of issuance, therefore all deadlines have a 18-month buffer. For more relaxed deadlines for New Permittees see Section 1.10.3.																					
2. "Update" refers to Annual Reports which are due within 90 days from the close of the reporting period (4.4.1).																					
3. Will get credit for P reductions already achieved in 2003 MS4GP (see bottom of page 19 of Appendix F). If want credit for P reduction for turf grass without P (App F, Att 2) certify to EPA annually that MS4 and contractors/subcontractors are not using fertilizer with P. If want credit for P reduction (N in Great Bay) for organic waste and leaf litter collection (App F, Att 2) clean weekly Sept 1st to Dec 1st.																					
4. In addition to traditional and non-traditional MS4's listed in 2.2.2.a. through e., these conditions also apply to any permittee that becomes aware that its discharge is to a water quality limited water body																					
5. At any time during the permit term the permittee may be relieved of additional requirements in App.H.I through App.H.V. if the receiving water and downstream segments are no longer impaired, or a new TMDL indicates that additional stormwater controls for the pollutant(s) of concern are no longer needed (See App H.1.2, App H.II.2, App H.III.2., App H.IV.2, and App H.V.2).																					
6. These are the basic MEP requirements. Enhancements may be required in catchment areas with outfalls/interconnections discharging to impaired waters with TMDLs (2.2.1) or to Water Quality Limited Waters (2.2.2.)																					
7. Includes sampling for at a minimum ammonia, chlorine, conductivity, E.Coli (or Enterococci), surfactants, temperature and 303d list parameters. Can use field test kits for all paramters except bacteria and 303d parameters																					
8. At least one wet weather sampling and screening event required for outfalls from catchments with any system vulnerability factors present. Do before catchment investigation is considered complete.																					
9. 50% full means half the distance between the CB bottom to the invert of the deepest outlet.																					
10. Where two or more facilities are co-located on the same property a single SWPPP may be prepared. A SWPPP is not required if facility has a no exposure certification or is covered under the MSGP or a different NPDES permit.																					