

# STORMWATER MANAGEMENT PROGRAM PLAN





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#### 1. STORMWATER PROGRAM OVERVIEW

#### WHY IS THIS IMPORTANT?

Stormwater runoff commonly transports pollutants through municipal separate storm sewer systems (MS4s), where it is discharged, often untreated, into local water bodies. To the public, the MS4 is more commonly known as a stormwater drainage system or simply as the "drain." These stormwater drains have been constructed in developed areas to reduce the risk of flooding and damage to our built infrastructure. Unfortunately, stormwater drainage systems carry pollution during rain events and snow melt - this can include oil, trash, and any other materials found on lawns, streets, and parking lots.

In the City of Auburn, stormwater runoff discharges that are conveyed by the MS4 to the environment are regulated under the Clean Water Act and require a permit. Auburn is one of thousands of communities and institutions across the country that must comply with these regulations. The stormwater drainage system discharge permit is known as the "MS4 General Permit" and is issued and managed by both the U.S. Environmental Protection Agency (EPA) and the State of Maine Department of Environmental Protection (ME DEP).

#### WHAT DOES AUBURN HAVE TO DO?

The City of Auburn has had MS4 permit coverage since 2003. As part of the permitting requirements, Auburn is required to develop a written Stormwater Management Program (SWMP). This SWMP (Plan) is a "living" reference document that will guide the City's implementation of requirements within the permit. Auburn is required to keep records of, and report on, the activities and measures that are implemented and consistent with this Plan. MS4 General permit requirements are summarized (and simplified) as follows:



**Implement** public education programs to help City residents, business owners, and developers understand their role in keeping stormwater clean.

Engage the public in decision-making throughout the program.



Find and fix leaky or unauthorized sanitary sewer lines or other non-stormwater sources that might be discharging into the drainage system.

Ensure that construction projects do not pollute runoff with sediments and debris.

Ensure that new development and redevelopment control and treat runoff before it leaves the property.

Engage in pollution prevention actions like road and parking area best practices (cleaning drainage systems and sweeping pavements), and ensure that municipal activities like vehicle washing, lawn maintenance, and materials storage do not contribute to stormwater pollution.







The City of Auburn is located within Androscoggin County and has a population of over 23,000, according to the 2010 census. The City of Auburn is located within the Androscoggin River watershed and the City's regulated MS4 area has three primary tributaries: Little Androscoggin River, Bobbin Mill Brook, and Taylor Brook, that flow through the community before discharging into the Androscoggin River. Auburn is bordered to the east by the Androscoggin River, which discharges into the Kennebec River. Auburn also has several ponds, including Taylor Pond and Willis Pond, used by the community for fishing and boating. A public water supply watershed surrounds Lake Auburn, which is the public water source for the Lewiston-Auburn area. The Auburn Public Works Department maintains over 130 miles of drainage pipe and thousands of drainage structures that discharge stormwater from the MS4 to the environment in hundreds of locations. The City's drinking water and sanitary sewer system is operated and maintained by the Auburn Water & Sewerage District (AWSD), which is a separate entity from the City of Auburn. The City and the AWSD cooperate on various elements of the stormwater program, as described herein. Auburn continues to strive at making improvements to its stormwater management program every year to protect and improve its water resources.

#### 1.1 MINIMUM CONTROL MEASURES AND MEASUREABLE GOALS

As per Part IV of the 2022 MS4 General Permit, traditional MS4s must implement a SWMP that includes the following six (6) minimum control measures (MCMs).

- 1. Education/Outreach Program
- 2. Public Involvement and Participation
- 3. Illicit Discharge Detection and Elimination (IDDE)
- 4. Construction Site Stormwater Runoff Control
- 5. Post-Construction Stormwater Management in New Development and Redevelopment
- 6. Pollution Prevention/Good Housekeeping for Municipal Operations

As required by the 2022 MS4 General Permit, there are specific actions that must be undertaken to reduce stormwater pollution. These actions are called Best Management Practices (BMPs). The following plan outlines these BMPs, the measurable goal for each BMP, the deadline for development and implementation of BMPs, and the responsible party for implementing the BMP. Section 1.5 of this SWMP identifies the person(s) or department(s) responsible for the BMPs identified in this SWMP.

The Permit Year (PY) corresponds to each regulatory year starting on July 1, 2022.





#### MCM 1: Education/Outreach Program (Permit Section IV.C.1.)

Objective: Implement an education program that addresses stormwater issues of significance. The ultimate objective of a public education program is to increase knowledge of and help change behaviors of the target audiences so that pollutants in stormwater are reduced. The target audiences are the general public, municipal audiences, commercial audiences, developers/contractors, and institutions.

BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
1.1	Develop public education program plan (Education and Outreach Plan)	IV.C.1.b & d.	<ul> <li>Develop an Education &amp; Outreach (E&amp;O) Plan which will outline an education approach that is inclusive of all education requirements across the permit.</li> <li>Develop awareness and behavior change campaigns (educational messages) to be distributed to target audiences.</li> <li>For each message, the E&amp;O Plan will define the awareness and behavior change goal, responsible party, target audience, message delivery tool(s), and implementation schedule.</li> <li>Identify methods to evaluate effectiveness of each message.</li> <li>Show evidence of focused campaigns for specific audiences such that outreach tools and messages are appropriate for the audiences.</li> </ul>	End of Permit Year (PY) 1
	Deliver targeted awareness and behavior change campaigns	iver targeted awareness behavior change IV.C.1.1. & 2. npaigns	Implement outreach campaign to raise stormwater awareness targeted to the general public using three outreach tools. Document in the Annual Report the message, method of distribution, outreach tools used, measures/methods used to determine ongoing effectiveness, and any changes planned based on the measures of effectiveness. Show evidence that progress toward the defined awareness and behavior goals of the program has been achieved.	Annual
1.2			Implement an outreach campaign to raise stormwater awareness targeted to one other target audience (municipal, commercial, development/construction, or institutional) using three outreach tools. Document in the Annual Report the audience, message, method of distribution, outreach tools used, measures/methods used to determine ongoing effectiveness, and any changes planned based on the measures of effectiveness. Show evidence that progress toward the defined awareness and behavior goals of the program has been achieved.	Annual





BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
			Implement an outreach campaign to change behavior focusing on two target audiences using three outreach tools. Document in the Annual Report the message for each audience, method of distribution, outreach tools used, measures/methods used to determine ongoing effectiveness, and any changes planned based on the measures of effectiveness. Show evidence that progress toward the defined awareness and behavior goals of the program has been achieved.	Annual
1.3	Assess educational program and modify if needed	IV.C.1.h & i.	Reference E&O effectiveness evaluation conducted during PY5 of previous permit cycle to establish baseline for 2022 MS4 Permit period.	End of PY 1
			Conduct evaluation in PY5 to evaluate effectiveness of each campaign.	End of PY 5
			Assess effectiveness of the educational program per the E&O Plan and modify messages, if needed. Modify ineffective messages, if any, prior to next message delivery.	Annual





#### MCM 2: Public Involvement and Participation (Permit Section IV.C.2.)

Objective: Provide opportunities to engage the public in both the planning and implementation process of the stormwater program.

BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
2.1	Conduct annual public participation activity	IV.C.2.a & b.	Host, conduct, or participate in a public event with a pollution prevention and/or water quality theme. All public involvement activities shall comply with state public notice requirements. Document and report on activities.	Annual
2.2	Annually present on MS4 Permit program	IV.C.2.	Provide an update to City leadership during a public meeting on progress towards meeting the City's MS4 Permit requirements and progress towards achieving its identified, measurable goals. Provide information on any planned changes to the SWMP. All public involvement activities shall comply with state public notice requirements. Document and report on activities.	Annual





## MCM 3: Illicit Discharge Detection and Elimination (IDDE) (Permit Section IV.C.3.)

Objective: Implement an IDDE program to systematically find and eliminate sources of non-stormwater discharges to the municipal separate storm sewer system.

BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
3.1	Continue MS4 system mapping	IV.C.3.d.	Update the separate storm sewer system map annually as the following information becomes available: outfalls, pipes, manholes, catch basins, interconnections, stormwater management features, refined catchment delineations, municipal sanitary sewer, and combined sewer systems (if available or applicable).	Annual
3.2	Update written IDDE Program Manual	IV.C.3.b.	<ul> <li>Update written IDDE Program document to meet new permit requirements, ensuring that it includes at a minimum:</li> <li>Legal authority, statement of responsibilities, outfall/interconnection inventory and initial catchment priority ranking, dry weather outfall inspection and dry weather flow sampling procedures, Quality Assurance Program Plan (QAPP), and illicit discharge confirmation and removal procedures.</li> </ul>	End of PY 1
3.3	Conduct dry weather Outfall/ Interconnection screening and sampling	IV.C.3.e.	<ul> <li>Conduct dry-weather Outfall/Interconnection screening annually to meet permit requirement of all outfalls screened by the end of PY5.</li> <li>City owns and/or operates approximately 198 outfalls. Complete approximately 40 dry-weather screenings per permit year starting in PY 1. Provide data annually.</li> <li>Dry weather screening and sampling (no more than 0.25" of rainfall within 72 hours):</li> <li>Record condition and information for inventory and priority ranking.</li> <li>If flowing, sample for ammonia, chlorine, conductivity, salinity, e. coli, surfactants, and temperature.</li> </ul>	All outfalls screened by end of PY 5





BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
3.4	Conduct investigation of dry weather flow and potential illicit discharges identified during screening and sampling	IV.C.3.e.iv.	<ul> <li>Where sampling of dry weather flow at an outfall does not exhibit evidence of an illicit discharge:</li> <li>Take steps to determine and confirm that flow during dry weather conditions is only uncontaminated groundwater, water from a natural resource, or an allowable non-stormwater discharge that has entered the system.</li> <li>Collect at least one (1) sample per the 5-year permit term in accordance with the protocols set forth in the approved QAPP and analyzed for the parameters listed in BMP 3.3.</li> <li>Where sampling of dry weather flow at an outfall exhibits evidence of a potential illicit discharge:</li> <li>Conduct systematic upstream sampling at key junction manholes until either a source is identified, or it has been determined that the evidence of the illicit discharge is due to naturally occurring source(s).</li> </ul>	During permit term, document annually
3.5	Conduct expeditious removal of verified sources of illicit discharge and confirmatory screening	IV.C.3.b.v.	<ul> <li>Upon verification of an illicit discharge, locate, identify, and eliminate the illicit discharge as expeditiously as possible. Where elimination of an illicit discharge within 60 days is not possible, establish an expeditious schedule and report the dates of identification and schedule for removal in the annual report.</li> <li>Confirm removal of verified illicit discharges through follow-up screening and inspection.</li> </ul>	During permit term, document annually





BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
			Conduct an assessment of outfalls for the potential for illicit discharges during wet weather events, utilizing data collected during the permit cycle, to develop a list of outfalls identified for wet weather monitoring and testing in the next permit cycle. This list will be included in the written IDDE plan along with the rationale for including each outfall. The assessment will take into consideration: • Areas within the MS4 that have combined sewer systems;	
3.6	Conduct wet weather assessment	IV.C.3.f.	<ul> <li>The potential for shared manholes with high-level overflows from the sanitary sewer system into the MS4;</li> <li>Other sanitary sewer collection "trouble areas" identified during Sanitary Sewer Evaluation Surveys;</li> <li>Complaints of sewage odor at a stormwater outfall during wet weather events; and/or</li> <li>Direct discharge from the stormwater system to any of the following: <ul> <li>A public beach or recreational area; and/or</li> <li>A water body impaired for bacteria.</li> </ul> </li> </ul>	End of PY5
3.7	Evaluate the overall effectiveness of the IDDE Program	IV.3.s	<ul> <li>Evaluate the overall effectiveness of the IDDE Program using the indicators for tracking program success as defined in the IDDE Program Manual. Indicators include: number of illicit discharges identified and removed, number and percent of total catchments investigated, dry and wet weather screening and sampling results, and volume of sewage removed.</li> <li>Provide evaluation of IDDE Program annually via annual report.</li> </ul>	During permit term, document annually
3.8	Conduct Sanitary Sewer Overflow (SSO) reporting and inventory	IV.3.g.	Work cooperatively with the Auburn Water & Sewerage District to document SSOs within the regulated urbanized area and corrective measures implemented for annual reporting. Maintain database or summary of SSOs through permit term.	Throughout permit term





#### MCM 4: Construction Site Stormwater Runoff Control (Permit Section IV.C.4.)

Objective: Implement an effective construction stormwater runoff control program and policy that minimizes or eliminates erosion on regulated construction sites within the regulated MS4 area and to ensure that sediments and other pollutants are not transported in stormwater from construction sites and allowed to discharge to a water of the U.S. through the MS4.

BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
4.1	Ensure construction stormwater runoff control ordinances are consistent with MS4 General Permit	IV.C.4.i.	<ul> <li>Review City Ordinances to ensure that site development applicants meet Maine Construction General Permit and Chapter 500 Stormwater Management Law Permit obligations.</li> <li>Continue to implement an effective construction stormwater runoff control program.</li> <li>Continue to require construction site operators, performing land disturbance activities that exceed one acre (or common plan of development greater than one acre), to implement an erosion and sediment control program consistent with the Construction General Permit and Stormwater Management Law Permit.</li> </ul>	End of PY 1
4.2	Update written construction site stormwater runoff control program procedures	IV.C.4.ii & iii. & iv.	<ul> <li>Update written Construction and Post-Construction Program Manual.</li> <li>Include references to local ordinance/bylaw and regulations.</li> <li>Include procedures and workflow for site plan review, pre-construction review, receipt and consideration of information submitted by the public, inspections, responsible parties, and data tracking.</li> <li>Include procedures for enforcement of sediment and erosion control measures.</li> </ul>	End of PY 1
4.3	Track, inspect, and document applicable construction projects	IV.C.4.v.	Review and update written procedures for site inspection and enforcement of erosion and sediment control measures as needed. Track the number of site plan reviews, site inspections, and enforcement actions and include in annual report.	Throughout permit term, annually





#### MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment (Permit Section IV.C.5.)

Objective: Implement and manage a local program and policy to reduce the discharge of pollutants found in stormwater through the retention, detention, and treatment of stormwater on regulated new or redevelopment sites within the regulated MS4 area.

BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
5.1	Update local bylaw on stormwater management in new & redevelopment	IV.C.5.b.i. & ii.	<ul> <li>Review and update the Post Construction Stormwater Management Ordinance or other regulatory mechanism (as needed).</li> <li>Require that the owner or operator of a post construction BMP provide an annual report, completed by a qualified inspector, documenting that all onsite BMPs are adequately maintained and functioning as intended.</li> <li>Require that if a post construction BMP requires maintenance, the owner or operator must provide a record of the deficiency and corrective action(s) taken in no less than 60 days following the date the deficiency was identified. Require that, if 60 days is not feasible, then the City may establish an expeditious schedule to complete the maintenance and establish a record of the deficiency and corrective action(s) taken.</li> </ul>	End of PY 1
5.2	Implement procedure for notifying site developers to consider Low Impact Development techniques	IV.C.5.a.i.	<ul> <li>Update written Land Development Program Manual.</li> <li>Document procedures and workflow for site plan review, inspections, responsible parties, and data tracking.</li> <li>Include references to City Environment Ordinance and regulations.</li> <li>Include procedure for notifying site developers to consider Low Impact Development techniques.</li> </ul>	End of PY 1
5.3	Track and document post construction BMP inspection and maintenance	IV.C.5.	Track and record the number of post construction BMPs, annual inspection reports submitted for each, and documentation of any required maintenance and subsequent corrective action. Include in annual report. Inspect a percentage of private facilities each year.	Throughout permit term, annually





#### MCM 6: Pollution Prevention and Good Housekeeping in Municipal Operations (Permit Section IV.C.6.)

Objective: Implement a Pollution Prevention & Good Housekeeping Program for municipal operations to prevent or reduce pollutants in runoff from all municipal operations and municipal facilities located in the regulated MS4 area.

BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
6.1	Update Stormwater Pollution Prevention Plan (SWPPP) for public works facilities, transfer stations, and school bus maintenance facilities	IV.C.6.d.	Update SWPPP (and Spill Prevention, Control, and Countermeasure (SPCC), as needed) for the public works facility and school bus maintenance facility. SWPPP shall include the elements listed in IV.C.6.d. Keep all records associated with the development and implementation of the SWPPP. Keep a copy of the SWPPP onsite at all times.	Prior to effective date
6.2	Conduct site inspection procedures consistent with SWPPP for public works facilities, transfer stations, and school bus maintenance facilities	IV.C.6.d.6. & 7.	Inspect all areas exposed to stormwater, areas identified in the SWPPP that are potential pollutant sources, areas where spills and leaks have occurred in the past three years, discharge points and all stormwater control measures at each facility with a SWPPP at least once per calendar quarter and report findings in annual report.	Once per quarter, document annually
6.3	Update Operations & Maintenance (O&M) Program documentation	IV.C.6.b. & c.	<ul> <li>Review and update written O&amp;M procedures per section IV.C.6. of the permit.</li> <li>Update Pollution Prevention Operation and Maintenance Manual as needed; inclusive of all City facilities within the regulated MS4 area, drainage system operations activities, and inspection obligations. The Manual shall include the following: <ul> <li>Municipal Facilities/Equipment Inventory.</li> <li>Municipal Infrastructure Maintenance: Street Sweeping and Catch Basin Cleaning SOPs.</li> <li>Prioritized schedule for repairing or upgrading conveyances, structures, and outfalls of the regulated MS4 area.</li> </ul> </li> </ul>	Prior to effective date





BMP ID #	BMP Description	Permit Section Reference	Measurable Goal(s)	Deadline(s)
6.4	Implement street sweeping program	IV.C.6.b.iii.	Implement street sweeping program outlined in the Pollution Prevention Operation and Maintenance Manual. At a minimum, sweep all paved streets and municipally owned parking lots annually after snowmelt. Document street sweeping activities and include in annual report.	Throughout permit term, annually
6.5	Implement catch basin cleaning program	IV.C.6.b.iv.	Implement catch basin cleaning program outlined in the Pollution Prevention Operation and Maintenance Manual. At a minimum, inspect all municipally owned catchbasins biennially to ensure that no catchbasin sumps exceed 50% full. If two consecutive inspections of a given catchbasin show excess accumulation, then that catchbasin must be inspected and cleaned annually until two consecutive inspections find less than 25% accumulation. Document catch basin cleaning activities and include in annual report.	Throughout permit term, annually
6.6	Conduct employee training program consistent with SWPPP	IV.C.6.d.2.h.	Conduct employee training consistent with SWPPP and Pollution Prevention Operation and Maintenance Manual.	Throughout permit term, annually





#### **1.2 IMPAIRED WATERS**

Discharges to waterbodies with impairments and an approved Total Maximum Daily Load (TMDL) have additional requirements in part IV.E. of the 2022 MS4 General Permit. The City of Auburn MS4 discharges to waterbodies that are considered impaired, according to ME DEP's 2016 Integrated List of Waters, including waterbodies with an approved TMDL. For these waterbodies, Auburn will address compliance with the TMDL waste load allocations (WLA) as outlined below:

- For the areas that discharge to waters that are impaired by Total Phosphorus and/or Dissolved Oxygen (Gulf Island Pond and Logan Brook):
  - Supplement the Residential and Business/Commercial/Institutional public education and outreach program with an annual timed message on specific topics, noting any existing regulations where appropriate.
    - March/April: disposal of grass clippings and use of slow-release and phosphorus-free fertilizers
    - June/July: proper management of pet waste
    - August/September/October: proper disposal of leaf litter
  - Establish housekeeping procedures to manage grass cuttings and leaf litter on permittee property.
  - o Increase street sweeping frequencies on all municipally owned streets and parking lots to a minimum of 2x per year (one time each spring and fall).
  - o Implement a fall leaf litter clean program that reduces leaf litter related nutrient loads.
- For the areas that discharge to waters that are impaired by bacteria or pathogens (Logan Brook, Androscoggin River, Little Androscoggin River):
  - Supplement residential public education and outreach program with an annual, web-based message encouraging the proper management of pet waste.
  - Designate catchments draining to any waterbody impaired for bacteria or pathogens as either Problem or High Priority catchments in implementation of the IDDE program.
- For the areas that discharge to waters that are impaired by total suspended solids (Gulf Island Pond):
  - Increase street sweeping on municipally owned or operated facilities to target areas with high potential pollutant load.
  - $\circ$  Prioritize inspection of catch basins to ensure that no catch basin sump exceeds 50% full.
- For the areas that discharge to waters that are impaired by impervious cover (Logan Brook):
  - Consistent with the requirements of MCM 4 and MCM 5, continue to refine regulatory policies that minimize the impact of development and redevelopment on waters in Auburn. With existing policies, it is anticipated that there will be reductions in the impact of impervious cover through redevelopment over time.





There are other waterbodies within Auburn that are impaired, but do not have an approved TMDL. For the areas within the City that directly discharge to an Urban Impaired Stream (UIS), three structural or non-structural BMPs must be considered for inclusion in the Auburn's permittee-specific ME DEP Order. The only UIS in Auburn's regulated MS4 area is Logan Brook. Consistent with the requirements in Section IV.E.3. of the 2022 MS4 General Permit, the BMPs Auburn proposes to implement in the Logan Brook Watershed are:

- Increase street sweeping frequencies on all municipally owned streets and parking lots to a minimum of 2x per year (one time each spring and fall)
- Implement a fall leaf litter removal program that reduces leaf litter related nutrient loads
- Implement an outreach and educational program to assist Logan Brook landowners with appropriate long-term maintenance of structural stormwater controls within the watershed

A list of all impaired waters that are within the City of Auburn and their impairment causes is provided in Table 1-1 below. A map showing ME DEP's 2016 Integrated Waters for the City of Auburn is provided in Appendix C of this SWMP.

Waterbody	ID	Class	Impairment	Category	TMDL Defined Issue	Waste Load Allocation
Logan Brook <sup>1</sup>	ME0104000208 413R04	В	Dissolved Oxygen Habitat Assessment	t Category gen 4-A t TMDLs Completed Impaired Use Other than Mercury A-B TMDLs Completed <sup>3</sup> Pollution Control Requirements Reasonably Expected to Result in Attainment (2020) ed 5-D Impaired by Legacy Pollutants	Impervious Cover	8% Effective Impervious Cover
Ū			e. Coli		Bacteria	236 <i>e. Coli</i> /100 ml; 64 <i>e. Coli</i> /100 ml <sup>2</sup>
	oper scoggin ver and Pond)       ME0104000208_424R_01       C       Dioxin Algae Blooms BOD Dissolved Oxygen Phosphorus TSS       4-B TMDLs Completed <sup>3</sup> Pollution Control Requirements Reasonably Expected to Result in Attainment (2020)         Polychlorinated biphenyls       5-D Impaired by Legacy Pollutan		BOD	10,440 ppd; 9,444 ppd <sup>4</sup>		
Upper Androscoggin River (Gulf Island Pond)		С	Dioxin4-BAlgae BloomsTMDLs Completed³BODPollution ControlDissolved OxygenRequirements ReasonablyPhosphorusExpected to Result inTSSAttainment (2020)	4-B TMDLs Completed <sup>3</sup> Pollution Control Requirements Reasonably	Oxygen Injection	30,000 ppd Upper Narrows; 150,000 ppd Lower Narrows
		U		Phosphorus	77.7 ppd Total P 0.3 ppd Ortho P <sup>5</sup>	
					TSS	47,907 ppd annually
			Polychlorinated biphenyls	5-D Impaired by Legacy Pollutants	No	

#### Table 1-1: Impaired Waters within Auburn, ME (Based on Approved 2016 Integrated List)





Waterbody	ID	Class	Impairment	Category	TMDL Defined Issue	Waste Load Allocation
Androscoggin River	ME0104000210_425R_02	С	e. Coli	4-A TMDL Completed Impaired Use Other than Mercury	Statewide Bacteria	236 <i>e. Coli</i> /100 ml 126 <i>e. Coli</i> /100 ml <sup>6</sup>
Little Androscoggin River	ME0104000209_417R_02	С	e. Coli	4-A TMDL Completed Impaired Use Other than Mercury	Statewide Bacteria	236 <i>e. Coli</i> /100 ml 126 <i>e. Coli</i> /100 ml <sup>6</sup>
Penley Brook <sup>7</sup>	ME0104000210_413R02	В	Nitrogen	4-A TMDL Completed Impaired Use Other than Mercury	Statewide NPS	5.2 kg/ha-year
Middle Androscoggin River	ME0104000208_424R	С	Dioxin	4-B TMDL Completed Pollution Control Requirements Reasonably Expected to Result in Attainment (2020)	No	No detection at 10 pg/L detection limit
			Polychlorinated biphenyls	5-D Impaired by Legacy Pollutants	No	
			e. Coli	4-A TMDL Completed Impaired Use Other than Mercury	Statewide Bacteria	236 <i>e. Coli</i> /100 ml 126 <i>e. Coli</i> /100 ml <sup>6</sup>
Gully Brook (Auburn)	ME0104000208_413R07	В	Dissolved Oxygen	5-A TMDL Required Impaired by Pollutants Other Than Those Listed in 5-B Through 5-D	No	





Waterbody	ID	Class	Impairment	Category	TMDL Defined Issue	Waste Load Allocation
Bobbin Mill Brook	ME0104000208_413R08	В	Benthic- Macroinvertebrate Bioassessments	3 Insufficient Data	No	
Lower Androscoggin River	ME0104000210_425R_01	С	Dioxin	4-B TMDL Completed Pollution Control Requirements Reasonably Expected to Result in Attainment (2020)	No	No detection at 10 pg/L detection limit
			Polychlorinated biphenyls	5-D Impaired by Legacy Pollutants	No	

1. The Logan Brook Watershed is classified as an Urban Impaired Stream watershed. From the 2022 MS4 General Permit: "If the waterbody to which a point source covered by this GP discharges is an UIS (Appendix B of this permit) the permittee must propose and fully implement at least three structural or non-structural BMPs to be considered for inclusion in the permit modification, unless the Department has determined the MS4 discharge is not causing or contributing to the impairment. The BMPs must address a specific impairment from the MS4 discharge within the UA."

2. Between May 15<sup>th</sup> and September 30<sup>th</sup>, the number of Escherichia coli bacteria in Stormwater (NPDES) sources to [Class B] waters may not exceed a geometric mean of 64 CFU per 100 milliliters over a 90-day interval or 236 CFU per 100 milliliters in more than 10% of the samples in any 90-day interval.

3. Non-point sources are referenced in the Load Allocation, but DEP explicitly states (Pg. 28 of 2005 TMDL) that control on non-point is not likely feasible.

4. Between June 1<sup>st</sup> and September 30<sup>th</sup>, the 30-day and 7-day average CBOD load to the entrance of Gulf Island Pond from Non-Point Sources may not exceed 10,440 lb/day and 9,444 lb/day, respectively.

5. Between June 1<sup>st</sup> and September 30<sup>th</sup>, the 30-day average Total Phosphorus and Ortho-Phosphorus loads to the entrance of Gulf Island Pond from Non-Point Sources may not exceed 77.7 lb/day and 0.3 lb/day, respectively.

6. Between May 15<sup>th</sup> and September 30<sup>th</sup>, the number of Escherichia coli bacteria in Stormwater (NPDES) sources to [Class C] water may not exceed a geometric mean of 126 CFU per 100 milliliters over a 90-day interval or 236 CFU per 100 milliliters in more than 10% of the samples in any 90-day interval.

7. Penley Brook is outside the urbanized area regulated under the Maine MS4 General Permit in the City of Auburn.





#### **1.3 ANNUAL PROGRAM SELF-EVALUATION, RECORD KEEPING & ANNUAL REPORTING**

Covered entities are required to collect and report information about the development and implementation of their SWMP. The City of Auburn conducts annual evaluations of its program compliance, the appropriateness of its identified Best Management Practices (BMPs), and progress towards achieving its identified measurable goals, which include reducing the discharge of pollutants to the maximum extent practicable (MEP).

The City of Auburn will keep records required by the 2022 MS4 General Permit for at least three (3) years after its expiration. Records include but are not limited to: information used in the development of any written (hardcopy or electronic) program required by the MS4 General Permit, any monitoring results, copies of reports, records of screening, follow-up and elimination of illicit discharges; maintenance records; inspection records; and data used in the development of the Notice of Intent (NOI), SWMP, SWPPP, and annual reports. Records will be available for public observation as requested. Records will be submitted to the ME DEP as requested.

Annual reports are due to the ME DEP each year by September 15. The annual reports shall include the following content for the reporting period:

- Status of compliance with General Permit and permittee specific DEP Order conditions;
- An assessment/evaluation of:
  - The effectiveness of the SWMP
  - The appropriateness of the identified BMPs
  - o Progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP
  - o The identified measurable goals for each of the MCMs
- A summary of all information collected and analyzed, including outfall screening and sampling results;
- Any change in identified BMPs or measurable goals and justification for those changes; and
- A description of the activities, progress, and accomplishments for each MCM, including:
  - $\circ$   $\;$  The status of education and outreach efforts
  - The status of public involvement activities
  - The status of stormwater mapping efforts
  - The number of visual dry weather inspections performed
  - The number of inaccessible and new outfalls
  - The number of dry weather flow sampling events and laboratory results
  - The number of detected illicit discharges
  - The number of detected illicit connections
  - The number of illicit discharges that were eliminated
  - Construction site inspections and number and nature of enforcement actions
  - Post construction BMP status and inspections
  - The number of functioning post construction BMPs
  - The number of post construction sites requiring maintenance or remedial action





- The status of the good housekeeping/pollution prevention program including the percentage of catch basins cleaned, those catch basins cleaned multiple times, and the number of catch basins that could not be evaluated for structural condition in a safe manner
- The types of trainings presented, the number of municipal and contract staff that received training, the length of the training, and training content delivered
- Revisions to the SWPPP procedures and/or changes in municipal operations





### 1.4 RESPONSIBLE PARTIES FOR STORMWATER PROGRAM IMPLEMENTATION

Title/ Position of Responsible Person	Name of Responsible Person	Role/Program Element(s)
Director of Public Works	Dan Goyette	MCM 2 (Public Participation)
City Engineer	Tony Beaulieu	MCM 3, 4, 5 (IDDE Programs, Technical Review of Site Plans)
Director of Communications & Community Engagement	Liz Allen	MCM 1 (Public Education and Outreach Coordination)
Director Economic & Community Development	Eric Cousens	MCM 4, 5 (Administration and Enforcement of Stormwater Control Ordinances)
Deputy Director of Public Works	Scott Holland	MCM 6 (Pollution Prevention and Good Housekeeping and Public Works SWPPP)
Direct of Support Services – Auburn School Department	Billy Hunter	MCM 6 (School Bus Maintenance Facility SWPPP)
Geospatial Database Manager	Rosemary Mosher	MCM 3 (Mapping Updates)

In addition to the parties above, the City of Auburn partners with both the Androscoggin Valley Soil and Conservation District and also the Cumberland County Soil and Water Conservation District on implementation of specific components of MCM 1 and MCM 2. The City cooperates with the Auburn Water & Sewerage District on MCM 1 and MCM 3 implementation. As needed, the City communicates with Maine Department of Transportation and also the Maine Turnpike Authority to coordinate on mapping measures and IDDE (MCM 3). City staff also periodically meet with and cooperate with the Androscoggin Valley Stormwater Working Group (Lisbon, Auburn, Sabattus and Lewiston).





### 2. PROGRAM DOCUMENTS: PLANS, PROCEDURES, INVENTORIES, AND MAPS

The permit requires certain documents to be included in the SWMP. These documents will be developed consistent with the schedule outlined in Section 1.1. This Section provides information on where these documents can be accessed. Some of these documents have been appended to this SWMP, while others are provided in a location external to the SWMP due to size or complexity. Hard copies of the following documents can be found at the Public Works Department, unless otherwise noted below.

#### 2.1 IDDE PROGRAM

#### 2.1.1 IDDE Program Manual

The City of Auburn has developed a written IDDE Program Manual consistent with the requirements of part IV.C.3. of the MS4 General Permit. The IDDE Program Manual includes:

- Responsible parties
- Regulatory authority
- Dry weather outfall screening and sampling procedures
- Interconnection screening procedures
- Initial assessment and priority ranking of outfalls/interconnections
- Catchment investigation procedures
- Enforcement procedures
- Training resources and modules

The IDDE Program Manual can be accessed at the Public Works Department.

#### 2.1.2 Separate Storm Sewer System Map

The City of Auburn has developed a Separate Stormwater Sewer System Map consistent with the requirements of part IV.C.3.d. of the MS4 General Permit. The map provided in Appendix A includes the following information:

- Outfalls and receiving waters
- Open channel conveyances
- Interconnections with other MS4s and other storm sewer systems
- Municipally owned stormwater treatment structures
- Waterbodies identified by name and indication of all use impairments per the 2016 Maine Integrated List of Waters report
- Initial catchment delineations
- Regulated urbanized area





The map will be updated annually.

#### 2.1.3 SSO Inventory

In accordance with MCM 3.7, the City will work cooperatively with the Auburn Water & Sewerage District to document SSOs within the regulated urbanized area and corrective measures implemented for annual reporting. The City will maintain a database or summary of these SSOs throughout the permit term.

### 2.2 CONSTRUCTION AND POST-CONSTRUCTION STORMWATER MANAGEMENT PROGRAM

#### 2.2.1 Site Inspections and E&SC Procedures

Consistent with the requirements of part IV.4.a of the MS4 General Permit, the City of Auburn has developed written procedures for site inspections and enforcement of sediment and erosion control procedures. These procedures are detailed in the City's Land Development Program Manual, which can be accessed at the Public Works Department.

#### 2.2.2 New Development/Redevelopment Ordinance

Consistent with the requirements of part IV.5.a. of the MS4 General Permit, the City of Auburn has developed a regulatory mechanism to require site development applicants to consider Low Impact Development and to ensure long-term operation and maintenance of post-construction stormwater BMPs. These procedures are found in the City Ordinances and procedures are detailed in the City's Land Development Program Manual, which can be accessed at the Public Works Department.

### 2.3 MUNICIPAL FACILITIES AND OPERATIONS PROGRAMS

#### 2.3.1 Pollution Prevention Operation and Maintenance Manual

The Androscoggin Valley Stormwater Working Group (AVSWG) has developed a Pollution Prevention Operation and Maintenance Manual consistent with the requirements of part IV.C.6. of the MS4 General Permit. The objectives of the Pollution Prevention Operation and Maintenance Manual are to provide a general guidance document to detail ways to reduce stormwater-transported pollution during typical activities on municipally owned properties, to establish procedures for MS4 infrastructure maintenance that will help reduce the discharge of pollutants from municipally owned facilities, and to promote behavior that will improve water quality in the City of Auburn. The manual includes general best practices for managing the following assets:

- Parks and open space
- Vehicles and equipment
- Buildings and facilities

The City additionally maintains the following written Operations and Maintenance (O&M) Standard Operating Procedures (SOPs):

• Winter road maintenance procedures targeting minimal use and proper storage of sodium chloride and other salts, which can be found in the Pollution Prevention Operation and Maintenance Manual





- A Street Sweeping Plan outlining the Public Works Department's street sweeping program rationale and SOPs
- Stormwater treatment structure inspection and maintenance and reporting procedures

The Pollution Prevention Operation and Maintenance Manual, as well as all other written SOPs, can be accessed at the Public Works Department.

#### 2.3.2 Stormwater Pollution Prevention Plans

The City has developed written Stormwater Pollution Prevention Plans (SWPPPs) for the Public Works Garage and School Bus Maintenance Yard consistent with the requirements of part IV.6.c.d of the MS4 General Permit. The SWPPPs include:

- Pollution and prevention team
- Description of the facility and identification of potential pollutant sources
- Identification of stormwater controls
- Material exposure prevention, good housekeeping, preventative maintenance, spill prevention and response, erosion and sediment control, management of runoff, salt storage pile or salt-containing pile management, employee training, and maintenance of control measure practices

The  $\ensuremath{\mathsf{SWPPPs}}$  can be accessed at the Public Works Department.

## 2.4 EDUCATION AND OUTREACH PLAN

The City has developed a written Municipal Awareness and Behavior Change Plans outlining the City's Education and Outreach program consistent with the requirements of part IV.C.1 of the MS4 General Permit.

The Education and Outreach Plans can be accessed at the Public Works Department.





"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 gathered and evaluated 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

Date

Name





# **Appendices**





## APPENDIX A: SEPARATE STORM SEWER MAP







# APPENDIX B: IMPAIRED WATERS AND SPECIAL RESOURCE WATERS







# **APPENDIX C: DEFINITIONS**





#### **Definitions, Abbreviations and Acronyms**

Applicant - Means a municipality which files an NOI pursuant to Part III of the 2022 MS4 General Permit.

**Best Management Practices (BMP)** - Means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

**Catch basin evaluation -** Means an inspection of a catch basin structure that includes documentation of water quality. Water quality evaluation includes, at a minimum, visual observations of sheen, discoloration, foaming, evidence of sanitary sewage, excessive algal growth, and similar visual indicators, as well as observations of odor and the depth of sediment in the sump. This evaluation may be conducted in conjunction with a routine cleaning event or separately, in order to determine which structure(s) require cleaning.

Commissioner - Means the Commissioner of the Maine Department of Environmental Protection.

Common Plan of Development or Sale - Means a subdivision under municipal law as determined by the municipality where the subdivision is located.

**Compensation Fee Utilization Plan** - Means a plan that specifies how funds received as a fee payment will be allocated to reduce the impact of stormwater pollution to an impaired waterbody.

#### Construction Activity - Means:

- Construction activity including one acre or more of disturbed area, or activity with less than one acre of total land area that is part of a common plan of development or sale, if the common plan of development or sale will ultimately disturb equal to or greater than one acre; or
- Any other construction activity designated by the Department based on the potential for contribution to a violation of a water quality standard or for significant contribution of pollutants to waters of the State.

Department (DEP) - Means the State of Maine Department of Environmental Protection.

**Direct Discharge -** The definition of "Direct Discharge" in the 2022 MS4 General Permit has been taken from Maine law 38 M.R.S. § 466 ("Definitions") and is as follows: "any discernible, confined and discrete conveyance, including, but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation or vessel or other floating craft, from which pollutants are or may be discharged."

**Discharge** - Means any spilling, leaking, pumping, pouring, emptying, dumping, disposing or other addition of pollutants to the Waters of the State (for the purpose of the 2022 MS4 General Permit, located within the permittee's UA and not including groundwater.)

**Discharge Point** – For the purposes of the 2022 MS4 General Permit, the location where collected and concentrated stormwater flows are discharged from the facility such that the first receiving waterbody into which the discharge flows, either directly or through a separate storm sewer system, is a water of the State.





**Disturbed Area** - Means all land areas that are stripped, graded, grubbed, filled or excavated at any time during the site preparation or removing vegetation for, or construction of, a project. Cutting of trees, without grubbing, stump removal, disturbance or exposure of soil is not considered "disturbed area". "Disturbed area" does not include routine maintenance but does include redevelopment and new impervious areas. "Routine maintenance" is maintenance performed to maintain the original line and grade, hydraulic capacity, and original purpose of the facility. Paving impervious gravel surfaces provided that an applicant or permittee can prove the original line and grade and hydraulic capacity will be maintained and original purpose of the gravel surface remains the same is considered routine maintenance.

Dry Weather Flow - Means any observable flow from an outfall when there has not been measurable precipitation greater than 1/4 of an inch, or ice or snow melt within 72 hours prior to the outfall inspection.

**Dry weather inspection -** Means an inspection of an outfall that includes observations of sheen, discoloration, foaming, evidence of sanitary sewage, excessive algal growth, and similar visual indicators, as well as detection of odor. These inspections must be completed during a dry weather flow condition (when the storm sewer system is not impacted by current or recent precipitation) or when the outfall is not flowing even if it is within the 72 hours of precipitation greater than 1/4 of an inch, or ice or snow melt.

Education/outreach Campaign - Means a specific set of activities aimed at an identified target audience organized to achieve a particular goal. Campaigns are the totality of all the efforts and tools used to achieve the goal.

Education Outreach tool – A method used to deliver a message to a target audience. Messages may be printed materials such as brochures or newsletters; electronic materials such as websites or online ads; mass media such as newspaper articles or public service announcements (radio or television); or displays in public areas such as town/city hall.

Education Outreach to change behavior – Means to promote and reinforce desirable behaviors designed to reduce stormwater pollution.

Education/outreach Program - Means all the education and outreach campaigns and activities to meet minimum control measure 1 (MCM1) and may include activities in the other minimum control measures.

**Illicit Discharge** - Means any discharge to a regulated MS4 system that is not composed entirely of stormwater other than: discharges authorized pursuant to another permit issued pursuant to 38 M.R.S. §413; uncontaminated groundwater; water from a natural resource [such as a wetland]; or other Allowable Non-Stormwater Discharges identified in Part IV(C)(3)(h) of the 2022 MS4 General Permit.

Impaired Waterbody - Means a waterbody that is not attaining water quality criteria or standards, as determined by the Department.

Low impact development - "Low impact development" or "green infrastructure" means site planning and design strategies intended to replace or replicate predevelopment hydrology through the use of source control and relatively small-scale measures integrated throughout a site to disconnect impervious surfaces and enhance filtration, treatment, and management of stormwater runoff as close to its source as possible. Low impact development strategies may be either nonstructural or structural, except that low impact development strategies utilizing structural stormwater management techniques shall be limited to an impervious contributing drainage area equal to or less than 1 acre. Low impact development strategies include, but are not limited to: bioretention filters, grass swales and channels, vegetated filter strips, permeable pavements, rain gardens and vegetated rooftops.





**Maintenance -** "Maintenance" means an activity undertaken to maintain operating condition, original line and grade, hydraulic capacity, and original purpose of the project. Paving an impervious gravel surface at original line, grade and hydraulic capacity is considered maintenance. Replacement of a building is not considered maintenance of the building.

Message - Information distributed to a specific target audience.

**Municipal Separate Storm Sewer Systems (MS4)** - Means a conveyance or system of conveyances designed or used for collecting or conveying stormwater (other than a publicly owned treatment works (POTW), as defined at 40 CFR 122.2, or a combined sewer), including, but not limited to, roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, human-made channels or storm drains owned or operated by any municipality, sewer or sewage district, Maine Department of Transportation (MDOT), Maine Turnpike Authority (MTA), State agency or Federal agency or other public entity that discharges to waters of the State other than groundwater.

**New development or construction -** "New development or construction" means activity undertaken to develop property, including but not limited to: the construction of buildings, parking lots, roads and other new impervious surfaces; landscaping; and other activities that disturb land areas. New development or construction does not include redevelopment or maintenance. Permitted municipalities may define new development more stringently.

**Notice of Intent (NOI)** - Means a notification of intent to seek coverage under the 2022 MS4 General Permit and a permittee specific DEP Order as provided in Part III(A), made by the applicant to the Department on an NOI form(s) provided by the Department. This is also the mechanism used to request coverage under the 2022 MS4 General Permit and under a permittee specific DEP Order.

**Outfall** - Means the point source where the MS4 discharges from a pipe, ditch or other discrete conveyance to the waters of the state other than groundwater, or to another entity's MS4, and does not include pipes, cross culverts, tunnels or other conveyances which connect segments of the same stream or other waters of the state and are used to convey waters of the state. For the purposes of the 2022 MS4 General Permit, a discharge to a location not defined as a water of the state is not considered an outfall.

Outreach to raise awareness - Means to introduce information that may be new to or not well understood by a target audience.

Permittee – Means a municipality that owns or operates the storm sewer system authorized under the 2022 MS4 General Permit.

**Permittee Specific DEP Order** – Means a document issued by the Department, following a formal public comment period, that establishes a list of required actions and corresponding schedules of compliance for a limited number of BMPs associated with the implementation of the GP.

**Person** - Means an individual, firm, corporation, municipality, quasi-municipal corporation, state agency, federal agency or other legal entity which creates, initiates, originates or maintains a discharge authorized by the 2022 MS4 General Permit.

**Point source -** See "Direct Discharge". For the purposes of the 2022 MS4 General Permit, the definitions of "Point source" and "Direct Discharge" are identical.

**Redevelopment** - "Redevelopment" means an activity, not including maintenance, undertaken to redevelop or otherwise improve property in which the newly developed area is located within the same footprint as the existing developed area.





**Regulated Small MS4** - Means any Small MS4 authorized by this General Permit or the general permits for the discharge of stormwater from MDOT and MTA small MS4s or state or federally owned or operated small MS4s including all those located partially or entirely within an UA. A list of these regulated small MS4s owned or operated by municipalities is included in Appendix A of the 2022 MS4 General Permit.

Small MS4 - Means any MS4 that is not already covered by the Phase I MS4 stormwater program including municipally owned or operated storm sewer systems, state or federally-owned systems, such as colleges, universities, prisons, military bases and facilities, and transportation entities such as MDOT and MTA road systems and facilities. See also 40 CFR 122.26(b)(16).

**Stormwater** - Means the part of precipitation including runoff from rain or melting ice and snow that flows across the surface as sheet flow, shallow concentrated flow, or in drainage ways.

Stormwater Issue of Significance (SIS) – Means any local, regional or statewide issue that must be addressed in order to improve water quality in receiving water bodies. SIS can include single pollutants or multiple pollutants as well as certain actions (increased impervious cover, lack of community awareness, construction, agricultural impacts, etc.) conditions (lack of infiltration, treatment at the source, etc.) or phenomena (development pressure, urban sprawl, flooding, urbanization, pH/acidification, etc.).

**Stormwater Management Plan (SWMP)** - Means a written plan developed, implemented, and enforced by a permittee. The SWMP defines the specific BMPs that will be implemented by the permittee under each of the six MCMs set forth in Part IV of the GP, which are designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP). The SWMP defines: the measurable goal(s) by which each BMP will be evaluated; the person(s) responsible for implementing each BMP, and; the date by which each BMP will be implemented.

**Stormwater Pollution Prevention Plan (SWPPP)** - Means a written plan developed and implemented for select municipal operations to reduce or eliminate pollutants as described in the 2022 MS4 General Permit.

**Total Maximum Daily Load (TMDL)** – Means the sum of the individual waste load allocations (WLAs) for point sources and load allocations (LAs) for nonpoint sources, natural background and a margin of safety. If a receiving water has only one point source discharger, the TMDL is the sum of that point source WLA plus the LAs for any nonpoint sources of pollution and natural background sources, tributaries, or adjacent segments. TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measure. If BMPs or other nonpoint source pollution controls make more stringent load allocations practicable, then waste load allocations can be made less stringent. Thus, the TMDL process provides for nonpoint source control tradeoffs.

**Urban Impaired Stream -** Means a stream that fails to meet water quality standards because of effects of stormwater runoff from developed land. Urban Impaired Streams are those streams identified in Appendix B of the 2022 MS4 General Permit.

**Urban Runoff** - Means stormwater runoff from an Urbanized Area, that may contain elevated levels of pollutants such as hydrocarbons, chlorides, heavy metals and nutrients which may cause or contribute to a waterbody's impairment. In many instances flow such as frequent elevated storm flows, low base flows, and high temperatures will also be significant contributors to a waterbody's impairment.

**Urbanized Area (UA)** - Means the area of the State of Maine so defined by the inclusive sum of the 2000 decennial census and latest decennial census (2010) by the U.S. Bureau of the Census.

Waste Load Allocation (WLA) – Means the portion of a receiving waters loading capacity that is allocated to one of its existing or future point sources of pollution. WLAs constitutes a type of water quality based effluent limitation.





Waters of the State - Means any and all surface waters and subsurface waters that are contained within, flow through, or under or border upon this state or any portion of the state, including the marginal and high seas, except such waters as are confined and retained completely upon the property of one person and do not drain into or connect with any other waters of the state, but not excluding waters susceptible to use in interstate or foreign commerce, or whose use, degradation or destruction would affect interstate or foreign commerce.





# **APPENDIX D: REVISION LOG**





Revision No.	Revision Date	Section of SWMP	Revision(s) Made/Reasoning	Signature