

Implementation Plan

Permanent Stormwater Management Program

City of McMinnville

The below implementation plan describes existing components of McMinnville’s permanent stormwater management program and how the program will be modified to comply with new permit. The plan is outlines with each element heading of section 4.2.5 of the new permit. Planned changes and timelines are found in table format. Key roles and responsibilities are detailed at the end of the document.

4.2.5.2. Permanent Stormwater Standards

Existing regulatory mechanisms and program elements

- Design standards established in city code 16-704.6 General design performance criteria for permanent stormwater management
- 80% TSS (Total Suspended Solids) removal from WQTV (Water Quality Treatment Volume)
- The City of McMinnville adopts the Tennessee Permanent Stormwater Management and Design Guidance Manual; most current version 16-704.1.ii

Program Modifications and timeline:

Revise Ordinance	<ul style="list-style-type: none">- Draft Ordinance Revisions by 1-1-2023- Implement ordinance revisions no later than 2-1-2023
1. Specify design storm: 1 year, 24 hours	<ul style="list-style-type: none">- Ordinance Revisions
2. Modify ordinance to clarify roof runoff is to be presumed contaminated unless demonstrated otherwise	<ul style="list-style-type: none">- Ordinance Revisions
3. Incorporate table “Water Quality Treatment Volume and the Corresponding SCM Treatment Type	<ul style="list-style-type: none">- Ordinance Revisions

for the 1-year, 24-hour Design Storm”	
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4.2.5.3 Stormwater Mitigation and Public Stormwater Fund

The City of McMinnville may investigate mitigation options/design alternatives for sites with constraints due to karst topography but have no plans to develop a mitigation program at this time.

4.2.5.4 Water Quality Riparian Buffers

Existing regulatory mechanisms and program elements:

- Buffer Zone is defined in ordinance in lieu of Water Quality Buffer 16-702.93
- Top of Bank is defined in ordinance 16-702.89
- Buffer Zone or a Water Quality Buffer development inclusion and protection in ordinance
- Buffer Zone management responsibilities are defined in the city ordinance
- Biking and hiking path provisions are incorporated in city ordinance 16-706.3.c
- Buffers are maintained through education programs, inspections during visual stream assessments, and with SCM inspection when possible.
- SCM inspectors monitor Buffer Zones during construction with installation of SCMs. This supplements EPSC priority construction site inspections and Community Development building inspections

Revise Ordinance	<ul style="list-style-type: none"> - Draft ordinance revisions by 1-1-23 - Implement ordinance revisions by 2-1-23
1. Incorporate sheet flow from discharges to buffer	<ul style="list-style-type: none"> - Ordinance Revisions

<p>2. Add requirement of Buffer Zones in development plans and subdivisions plats</p>	<p>- Ordinance Revision</p>
<p>3. Implement process where Stormwater SCM inspectors inspect Buffer Zones from groundbreaking to beyond completion as part of post construction inspections.</p>	<p>- Ordinance Revision</p>

4.2.5.5 Codes and Ordinance Review and Update

City of McMinnville will complete the EPA Water Quality Scorecard no later than May 2023.

4.2.5.6 Development Project Plan Review, Approval, and Enforcement

The City of McMinnville complies with this section as described below apart from water buffer changes described above.

Existing regulatory mechanisms, program elements, and procedures:

- City requires the review and approval of stormwater management plans containing key elements described in ordinance 16-704.8
- Performance standards defined in ordinance 16-704.6
- Ordinance grants the City of McMinnville authority to establish standards to regulate stormwater contaminants in 16-701.1(c), (iii)
- Ordinance grants City of McMinnville authority to review plats and plans for stormwater management in proposed subdivisions or commercial developments 16-701.1(c), (iv)
- Ordinance grants City of McMinnville general regulation authority over the planning, location, construction, and operation and maintenance of stormwater facilities 16-701(c), (i, ii, iii, iv, v, vi, vii)

The Stormwater Manager manages the review and approval of stormwater management plans, including the review of design standards. Additionally, the Stormwater Manager also offers

supplemental review comments, and documents/inspects sites for proper installation of SCMs at onset of construction. Upon completion of project, the Stormwater Manager conducts a final inspection. Sites or subdivisions that fail their final inspection, or not certified by design engineer, may have their certificate of occupancy or plat withheld until brought into compliance. Furthermore, the Stormwater Manager is required, and is currently, to be a Certified SCM Inspection and Maintenance professional.

Revise Ordinance	<ul style="list-style-type: none"> - Draft Ordinance Revisions by 1-1-2023 - Implement ordinance revisions by 2-1-2023
1. Implement requirement of the design engineer to submit certification that stormwater is complete and functional	<ul style="list-style-type: none"> - Ordinance Revision

4.2.5.7 Maintenance of Permanent Stormwater Control Measure Assets

The City of McMinnville complies with this section as described below

Existing regulatory mechanisms, program elements, procedures:

- Required maintenance of all stormwater management facilities defined in ordinance 16-704.9
- Stormwater facility maintenance plan and agreement required in ordinance 16-707.1
- Authority to inspect stormwater facilities in ordinance 16-705.3
- Enforcement for failing to maintain stormwater management facilities described in ordinance 16-705.5
- Provision for the City of McMinnville to repair private facilities if enforcement fails in ordinance 16-705.5

The City of McMinnville requirement maintenance plans and agreements for stormwater facilities. Plans include expenses and frequency. Additionally, inspection sheets are included with most plans. Furthermore, SCMs are inspected yearly with the findings stored on an Excel Spreadsheet for future use to analyze trends and for planning updates.

4.2.5.8 Inventory and Tracking of Permanent Stormwater Measure Assets

The City of McMinnville complies with this section by maintaining a SCM GIS layer that is accessible by city staff and is available upon request to the public. Points that indicate an SCM

are as accurate as possible with each point having data consistent with type of SCM, photographs of SCM, responsible party, last inspection, status (completed, in-progress, proposed).

Roles and Responsibilities

The Stormwater Manager has the following roles and responsibilities:

- Plans review of stormwater management facilities
- Plans review of streamside buffers
- Inspection and installation of SCMs
- Maintenance inspections of SCMs
- Archiving of SCM maintenance documents
- Enforcement of streamside buffers during construction