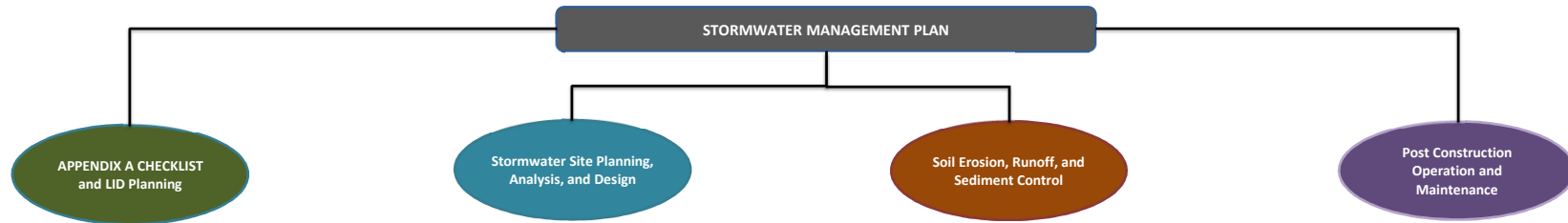


STORMWATER MANAGEMENT PLAN GUIDANCE

The three (4) key elements to include in a Stormwater Management Plan for any project subject to the *RI Stormwater Design and Installation Standards Manual* (RISDISM)



Appendix A Checklist and LID Planning

Includes:

- Project Description
- LID Checklist (Attachment 1) for new development
- LID Site Planning Considerations (TMDLs, Coldwater etc.)
- Low Impact Development LID Water Quality Credits (QPAs)
- Submittal Requirements
- RIPDES CGP NOI critical information (like HNA certification)
- Regulatory Applicability

Addresses:

1. LID Site Planning
2. Groundwater Recharge
3. Water Quality Area Treatment Requirements
6. Redevelopment and Infill Supporting Documentation
8. LUHPL Identification
9. Illicit Discharge

Guidance:

Chapter 1 of the RISDISM Manual
Attachment 1 - LID Checklist

Stormwater Site Planning, Analysis, and Design Report

Includes:

- Project Narrative
- Hydrologic and Hydraulic Analysis
- Best Management Practice Volumes and supporting calculations
- Calculations

Addresses: [RISDISM Minimum Standards \(as Applicable\)](#):

3. Water Quality Volume and Hydraulic Calculations
8. LUHPL specific BMPs and precautions (if necessary)
4. Conveyance and Natural Channel Protection
5. Overbank Flood Protection and Downstream Analysis

Guidance: [RISDISM Appendices](#):

- B. Vegetation Guidelines and Planting List
- C. Retrofitting for Stormwater Management
- F. BMP Construction Specifications
- I. RI River and Stream Order
- K. Hydrologic and Hydraulic Modeling Guidance

Soil Erosion and Sediment Control (SESC) Plan
(formerly known as a SWPPP-Stormwater Pollution Prevention Plan)

Includes:

- Erosion, Runoff, and Sediment Control Practices
- Construction Activity Pollution Prevention Practices
- Control Practice Installation, Inspection, & Maint. Reqs
- Site Plans

Addresses: [RISDISM 11 Minimum Standards](#):

10. Construction Erosion and Sedimentation Control

Guidance: [Guidance Documents](#):

- [RI Soil Erosion & Sediment Control Handbook \(RISESCH\)](#)
- [RI Model Soil Erosion and Sediment Control \(SESC\) Plan](#)

Regs: [Regulatory Requirements](#):

- [RIPDES Construction General Permit \(CGP\) \(≥ 1ac\)](#)

Operation and Maintenance (O&M) Plan

Includes:

- Responsible party(s) and Maintenance Agreement
- Long term O&M for each stormwater practice/BMP
- Post-construction Pollution Prevention
- 8-1/2" x 11" map (to scale) showing location of BMPs
- Budget and Funding Source(s)

Addresses: [RISDISM Minimum Standards](#):

7. Post Construction BMP Pollution Prevention
11. Operation and Maintenance

Guidance: [RISDISM Appendices](#):

- E. Developing Operation and Maintenance Plans
- G. Pollution Prevention and Source Controls

Regs: [Regulatory Requirements](#):

- [RIPDES Multi-Sector General Permit \(MSGP\)](#)
(for Industrial Sites as defined in RIPDES Rule 31.b.15)

ACRONYMS AND ABBREVIATIONS:

BMP - Best Management Practice
LID - Low Impact Development
MSGP - Multi-Sector General Permit (RIPDES)

RIDEM - Rhode Island Department of Environmental Management
RISDISM - *Rhode Island Stormwater Design and Installation Standards Manual*
SESC Plan - Soil Erosion and Sediment Control Plan

CGP - Construction General Permit (RIPDES)
LUHPLs - Land Uses with Higher Potential Pollutant Loads
O&M Plan - Operation and Maintenance Plan

RIPDES - Rhode Island Pollutant Discharge Elimination System
RISESCH - *Rhode Island Soil Erosion and Sediment Control Handbook*
SMP - Stormwater Management Plan