

# Stormwater Management - Post-Construction Policy & Procedure

Livonia Public Schools

Permit Number: MI0060044

Issue date: April 4, 2026

**Applies To:** As required by the National Pollutant Discharge Elimination System (NPDES) permit for Livonia Public Schools, the scope of this Guideline includes all development and redevelopment projects on District properties that involve either:

- a. earth disturbance of one (1) acre or greater,  
**OR**
- b. earth disturbance of less than one (1) acre, but which are part of a larger common plan of development or sale that would disturb one (1) acre or more.

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## Post-Construction Requirements Policy Statement

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Livonia Public Schools development and redevelopment projects on District property are regulated under and must comply with the Livonia Public Schools NPDES permit for stormwater discharges, as issued by the Michigan Department of Environment, Great Lakes and Energy (EGLE). The Stormwater Management Post-Construction Requirements Guideline has been developed to provide guidance regarding responsibilities and actions to meet the NPDES permit conditions for development and redevelopment projects on district owned properties.

## Post-Construction Plan for Stormwater Management

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The post-construction plan for stormwater management on regulated sites **must** include:

- A minimum treatment volume standard to address water quality impacts.
- Channel protection criteria to address resource impairment resulting from flow volumes and rates.
- Review sites with known soil and/or groundwater contamination, including potential “hot spots” and evaluate the use of infiltration BMPs to meet water quality treatment and channel protection criteria to ensure that infiltration BMPs do not exacerbate existing conditions. Hot spots include areas with the potential for significant pollutant loading such as vehicle service and maintenance facilities, vehicle equipment cleaning facilities, fleet storage areas for buses, and outdoor liquid container storage.
- Drawings showing the location of stormwater control measures and the storm system.
- Details on the proposed stormwater control measures.
- Operation & Maintenance (O&M) requirements.
- Supporting information
  - Calculations used for designing all components of the stormwater management systems.
  - Total Suspended Solids (TSS) design removal rates and supporting manufacturer documentation, if applicable.

- Geotechnical report including soil boring and infiltration test data.

The project team [Architecture, Engineering & Construction, Other Project Manager, Project Developer and/or Contractors] shall develop the post-construction plan for stormwater management in accordance with this guideline and the NPDES permit.

### ***Water Quality Treatment Volume Standard***

The minimum treatment volume standard **must** be either:

- Treat the first one (1) inch of runoff from the entire site.
- OR**
- Treat the runoff generated from ninety percent (90%) of all runoff-producing storms for the project site, as summarized in MDEQ's memo dated March 24, 2006  
[https://www.michigan.gov/documents/deq/wrd-hsu-ninety-percent\\_557709\\_7.pdf](https://www.michigan.gov/documents/deq/wrd-hsu-ninety-percent_557709_7.pdf)

### ***Total Suspended Solids***

The treatment methods must be designed on a site-specific basis to achieve the following:

- A minimum of eighty percent (80%) removal of total suspended solids (TSS), as compared with uncontrolled runoff.
- OR**
- Discharge concentrations of TSS not to exceed 80 milligrams per liter (80mg/L).

A minimum treatment volume standard is not required where site conditions are such that TSS concentrations in storm water discharges will not exceed 80mg/L.

### ***Channel Protection Criteria***

The channel protection criteria must maintain post-development site runoff volume and peak flow rate at or below existing levels for all storms up to the 2-year, 24-hour event. "Existing levels" means the runoff volume and peak flow rate for the last land use prior to the planned new development or redevelopment. More restrictive channel protection criteria may be utilized on a case-by-case basis, as appropriate.

### ***Site Plan Review***

This policy is to establish a requirement to submit a site plan for review as required by the EGLE NPDES Stormwater Discharge Permit and ensure that water quality objectives, erosion and sediment control requirements, and BMP maintenance are considered to the maximum extent practicable.

Livonia Public Schools shall evaluate proposed construction activities to determine:

- If the activity meets the criteria of a development or redevelopment project with an earth disturbance greater than or equal to 1 acre, or part of a common plan of development resulting in a development or redevelopment activity greater than or equal to 1 acre in size.
- Does the development or redevelopment project discharge to waters of the state, or to a county, city, or township MS4.

If the development or redevelopment project discharges directly to waters of the state, Livonia Public Schools shall comply with the post-construction standards outlined in this SWMP.

If the development or redevelopment project discharges to a regulated county, city, or township MS4, Livonia Public Schools shall submit the site plan for review and approval. Site plan approval by the county, city, or township of an equivalent post-construction standard ensures acceptable compliance with the Livonia Public Schools NPDES MS4 Stormwater Discharge Permit. Livonia Public Schools shall obtain and maintain a copy of the site plan approval *document*.

If the development or redevelopment project discharges to a county, city, or township MS4 that is not regulated or require site plan review, Livonia Public Schools shall comply with the post-construction standards outlined in this SWMP.

### ***Operations & Maintenance Plans***

All structural and vegetative stormwater control measures installed as a requirement under this section of the permit shall include a plan for maintaining maximum design performance through long-term operation and maintenance.

### **Enforcement**

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The Livonia Public Schools Stormwater Program Manager will administer and enforce the stormwater management program, including maintaining procedures, guidance, information, etc. to aid district staff and contractors in complying with the post-construction requirements for stormwater management.