

MS4 Phase II

Storm Water Management Program

**A Small City Answer
to Stormwater
Pollution Reduction**



MS4

- The City of Findlay developed a Storm Water Management Plan (SWMP) to meet the Small Municipal Separate Storm Sewer System (MS4) Phase II regulations from the Environmental Protection Agency (EPA).
- The SWMP addresses 6 Minimum Control Measures to reduce pollutants in storm water to the maximum extent feasible.

SWMP

- The 6 controls developed by EPA are to protect water quality by reducing pollutants in Storm Water Runoff.
- The SWMP outlines how the City of Findlay will address these water quality control issues through a series of tasks and action items.



Six Minimum Control Measures

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Storm Water Runoff Control
5. Post-Construction Storm Water Management
6. Pollution Prevention/Good Housekeeping for Municipal Operations

SWMP – 6 Controls

1. Public Education/Outreach

- Requirements:
 - Prepare and distribute materials (pamphlets, news ads, etc.) on Pollutants in Storm Water Runoff.
 - Promote good Storm Water Management Practices by educating the public on what they can do to help.



SWMP – 6 Controls

1. Public Education/Outreach

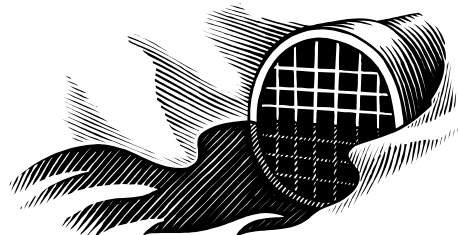
- Current Tasks:
 - Formed a Storm Water Advisory Committee (SWAC)
 - Update Website to include Storm Water Links
 - Inform Public and Elected Officials of SWMP
 - Flyer in Utility Bills / Articles in Local News
 - Distribute educational pamphlets at public events
 - Hold update meetings for Elected Officials and Press
 - Community Presentations

SWMP – 6 Controls

2. Public Involvement/Participation

■ Requirements:

- Involve the public and local interest groups in reducing potential pollution issues from Storm Water Runoff.
- Participation aims to include all community groups



SWMP – 6 Controls

2. Public Involvement/Participation

- Current Tasks:
 - Clean-up days
 - Environmental Waste collection
 - Stream Cleaning with Volunteers through BRWP
 - Placard Project
 - Through City and volunteer efforts, “No Dumping, Drains to River” placards on catch basins.
 - Storm Water Advisory Committee Meetings (SWAC)
 - Public always welcome to attend
 - Tours
 - Include availability of Touring City Locations pertaining to Storm Water
 - Participation in Hancock Leadership with Tour

SWMP – 6 Controls

3. Illicit Discharge Detection & Elimination

■ Requirements:

- Create map showing location of all Storm Sewers, Outfalls, etc.
- Locate Non-Storm Water entrance points into the Storm Water System and Eliminate them
- Develop or modify ordinances to address illicit discharge



SWMP – 6 Controls

3. Illicit Discharge Detection & Elimination

- Current Tasks:
 - Create/Update GIS map layer to show all Storm System locations (storm sewers and outfalls)
 - Locate illicit discharge areas
 - Modify/Develop Ordinances to make illicit discharges illegal and create enforcement mechanisms

SWMP – 6 Controls

4. Construction Site Runoff Control

- Requirements:
 - Create guidelines through Best Management Practices (BMP's) to reduce pollutants in Storm Water Runoff from land disturbance activities.
 - Water Quality Plan Review/Inspection/Enforcement





SWMP – 6 Controls

4. Construction Site Runoff Control

■ Current Tasks:

- Create a Storm Water Design Manual
- Guidance Manual of Management Practices
- Develop inspection practices and inspection checklists to ensure compliance

SWMP – 6 Controls

5. Post Construction Storm Water Management

- Requirements:
 - Using the manuals designed for construction run-off control, apply the Best Management Practices to support long term water quality improvements.
 - Reduce/Eliminate pollutants from projects that are already installed





SWMP – 6 Controls

5. Post Construction Storm Water Management

■ Current Tasks:

- Inspections and Checklists for long-term water quality improvements
- Maintenance, such as Catch Basin Cleaning and Culvert and Channel Repair
- Maintenance on City Installed Water Quality Structures

SWMP – 6 Controls

6. Pollution Prevention / Good Housekeeping

■ Requirements:

- Prevent and reduce storm water pollution caused by municipal operations
- Includes staff training and an operation and maintenance program
- EPA Municipal Facility Inspections





SWMP – 6 Controls

6. Pollution Prevention / Good Housekeeping

■ Current Tasks:

- Create Operation Plan: includes items such as fleet management, de-icing storage evaluations, herbicide & pesticide use, etc.
- Departmental Audits to locate and reduce storm water pollutant sources
- Employee Training

SWMP In Summary

- ❑ MS4 requirements tied to National Pollutant Discharge Elimination System (NPDES) Permit. Required by EPA to get Storm Water Discharge Permit Approved
- ❑ Requires improvements/pollution reduction in all 6 Minimum Control Categories
- ❑ Annual Report to EPA showing progress
- ❑ Findlay's Goal is to take a minimum but effective approach, meeting or exceeding all EPA requirements

Questions / Comments

