



Stormwater Program MS4 Permit Informational Meeting

Indiana Department of Environmental Management
Office of Water Quality
Surface Water and Operations Branch
Wetlands and Stormwater Section



Public Outreach and Education MCMs

- Identify three (3) community wide stormwater quality issues (12 months)
- Target one event, in each category, during the permit cycle (five years):
 - Construction
 - Residential
 - Commercial and industrial
- Conduct a minimum of two (2) public events annually
- Provide training on construction site run-off and post-construction



IDDE MCM

- Update the IDDE Ordinance:
 - MS4s renewing permit coverage:
 - 365 days from Notice of Intent (NOI) submittal
- Develop a New Ordinance:
 - Newly designated MS4s:
 - 365 days from NOI submittal

IDDE MCM

- Develop a stormwater system map:
 - Provide the longitude and latitude for each outfall in decimal degrees to five decimal place accuracy
 - Provide a photograph of each discharge point, if accessible

Construction Site Stormwater MCM

- Update the Ordinance:
 - ◆ MS4s renewing permit coverage:
 - ◆ 730 days from NOI submittal
- Develop a New Ordinance:
 - Newly designated MS4s:
 - ◆ 365 days from NOI submittal

Construction Site Stormwater MCM

- Update Regulatory Process (Plan Review):
 - Establish written procedures for submittal and review of construction plans:
 - ◆ Utilize a form, checklist, or alternative method to document plan reviews
(Alternative method may include an electronic option)
 - ◆ Identify the plan reviewer for each project and their affiliation with the MS4

Construction Site Stormwater MCM

- Update Regulatory Process (Inspections):
 - Establish written procedures for compliance inspections of construction sites:
 - ◆ Utilize a form, checklist, or alternative method to document plan reviews
(Alternative method may include an electronic option)
 - ◆ Identify priority sites which is based on:
 - Nature and extent of construction activity
 - Topography
 - Threat to water quality degradation
 - Soils
 - Other

Construction Site Stormwater MCM

- Update Regulatory Process (Required Inspections):
(Original draft permit required: 100 percent quarterly)
 - 100 percent of all of all new construction projects during the initial phase of construction that includes installation of infrastructure (mass grading, roads, and utilities)
 - Followed by:
 - ◆ Biannual inspections: 100 percent of all of all projects with proposed land disturbance of five acres or more and those identified as priority sites
 - Annual inspections: 50 percent of all projects with proposed land disturbance of less than five acres
Investigate 100 percent of all of all complaints and follow-up inspections on all violations of the local ordinance

Construction Site Stormwater MCM

- Inventory of MS4 Regulated and Owned Projects:
 - Project name
 - Latitude and longitude of project
 - Receiving water(s)
 - Project start date
 - project status (i.e. active, terminated)
 - Indication of compliance
(MS4 regulated projects only)

Post-construction Run-off MCM

- Update the Ordinance:
 - MS4s renewing permit coverage:
 - ◆ 730 days from NOI submittal
- Develop a New Ordinance:
 - Newly designated MS4s:
 - Newly designated MS4s:
 - ◆ 548 days from NOI submittal

Post-construction Stormwater MCM

- Incorporate Performance Standards:
 - At a minimum the post-development run-off must not exceed the pre-development discharge based on the two-year, ten-year, and one-hundred year peak storm events
 - Post-construction measures, at a minimum, must be selected based on sizing to address the WQv or water quality flow rate
 - One or multiple measures may be used to achieve the objectives of this MCM

Post-construction Stormwater MCM

- Class V Injection Wells:
 - Register all wells with U.S. EPA
 - ◆ MS4s must register the well(s) for those measures they own and/or operate
 - ◆ The project site owner must register the well(s) when the measure is required by the MS4

Post-construction Stormwater MCM

- Update Regulatory Process (Inspections):
 - Establish written procedures for compliance inspections of post-construction measures:
 - ◆ Utilize a form, checklist, or alternative method to document inspections
(Alternative method may include an electronic option)

Post-construction Stormwater MCM

- Update Regulatory Process (Required Inspections):

Original draft permit required:

- MS4 owned 100 percent annually during the permit cycle
- Privately owned at 100 percent within the permit cycle
 - 100 percent of MS4 owned/operated must be inspected by the end of the permit cycle
 - 100 percent of Privately owned/operated must be inspected by the end of the permit cycle or the MS4 may elect to cap the number of inspections at 250. The remaining measures must be inspected the next permit cycle
 - Inspect all post-construction measures in response to complaints

Good Housekeeping MCM

- Develop and maintain an inventory of MS4 owned and/or operated facilities
- Complete an annual assessment of all MS4 owned and/or operated facility that use, store, or discharge pollutants that may degrade water quality
- Quarterly inspections at all facility
 - One quarterly inspection must be done by MS4 Coordinator



Good Housekeeping MCM

- Surface visual inspections:
 - Entire system completed by end of permit cycle
 - Utilize trained employees and their time in the MS4

General Permit Conditions

- Performance Requirements and Program Implementation:
 - Provide training opportunities for MS4 staff:
 - ◆ MS4 Coordinator:
 - 12 hours total annually
 - ◆ MS4 staff responsible for individual MCMs:
 - Eight (8) hours in MCMs they administer
 - TMDL Implementation:
 - ◆ Modify Stormwater Quality Management Plan (SWQMP)
 - ◆ Modify Water quality characterization report (WQCR)
 - ◆ Identify WLA from TMDL
 - ◆ Implement load reductions of pollutants of concern from developed TMDLs



General Permit Conditions

- Jurisdictional boundaries of the MS4 in GIS compatible format:
 - ◆ Co-permittees need to have boundaries individually identified

Questions?

