

Summary of Non-structural Best Management Practices in MS4 Permit Area

For Muncie, Yorktown & Delaware County

Program Name	Description	Existing?	Office or Department	Assessment	Locations
Comprehensive Plan	1 of 7 Key Goals in the Muncie, Delaware Comprehensive Plan directly support programs key to preserving and protecting the environment	yes	Delaware Muncie Plan Commission	The plan addresses issues relative to the stormwater permit. An update to the plan is planned for 2011	County-wide - joint City of Muncie, Delaware County venture
	The 2001 Yorktown Comprehensive Plan contains language addressing environmental protections. It addresses the White River Watershed, the Buck Creek Watershed, Floodplain management, Riparian corridor management, Soil quality and management, groundwater quality, wetland conservation, and woodlot management.	yes	Town Planning & Building	The plan significantly addresses issues relative to the stormwater permit.	Yorktown
Muncie MAP	The 2010 Muncie Action Plan incorporates environmental concerns	yes	Muncie Mayors Office	The plan incorporates additional actions for a green Muncie	Muncie
Zoning/Planning	Planning and zoning ordinances direct the development of land. Landscaping and other subdivision controls are incorporated into the ordinances.	yes	Delaware Muncie Plan Commission	Existing ordinances will be reviewed for compatibility with the new Phase II Stormwater Permit.	County-wide - joint City of Muncie, Delaware County venture
	Planning and zoning ordinances direct the development of the land. Landscaping, erosion control, environmental preservation, and other subdivision controls are incorporated into the ordinances.	yes	Town Planning & Building	Existing ordinances will be reviewed for compatibility with the new Phase II Stormwater Permit	Yorktown
Buffer Strip, riparian zone and filterstrip programs	Encourage practices in developing and agricultural areas.	unknown	Delaware Muncie Plan Commission	Updates to zoning ordinance may be done to better address stormwater permit issues.	County-wide
Post Construction Green Space Program	Green space preservation in new developments.	yes	Delaware Muncie Plan Commission	Existing ordinances will be reviewed for compatibility with the new Phase II Stormwater Permit.	County-wide
	Green space preservation in new developments based on land use.	yes	Town Planning & Building	Included in existing landscaping ordinance.	Yorktown
	Development of new post construction manual currently underway	tbd	Stormwater Management	The manual will incorporate recommendations from the Indiana Stormwater Quality Manual and tie into local design standards of the Muncie Sanitary District	County-wide
Water Quality Sampling	Water quality sampling program.	yes	Muncie Sanitary District	Water quality sampling program in place for many years and will continue.	County-wide
Animal Waste Collection	Responsible Pet ownership brochure being developed by Health Department, could add "clean up after pet"	no	Health Department	Under development.	County-wide
Household Hazardous Waste Collection & Disposal	Drop off locations throughout the county. Includes Tires, Electronics, Liquids, Extensive program of education and disposal days.	yes	East Central Recycling, East Central Indiana Solid Waste District, Muncie Sanitary District	Existing program will continue.	County-wide
Landscape Maintenance & Turf Management	Maintain city property.	yes	City Parks, Public Works	City maintains property responsibly to maintain water quality.	Muncie
	Maintain town property responsibly to maintain water quality.	yes	Town Public Works	Existing program will continue.	Yorktown

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Urban Forestry Program	Landscaping and streetscaping of urban area.	yes	City Parks	City Parks employs an urban forester.	Muncie
Development Plan Review	City and Sanitary District review plans for new development	yes	City and Sanitary District	City Engineer and Sanitary District review plans for new developments to comply with local regulations.	Muncie
	Town reviews all plans for new development.	yes	Town Planning & Building	Town Engineer reviews plans for conformance with Town goals.	Yorktown
	Erosion control inspector is CISEC and CESSWI certified and reviews all plans for post construction practices	yes	Stormwater Management	Existing practice will continue	county-wide
Regulated Drain Maintenance	Operation and maintenance of the regulated drainage system	yes	County Surveyor	Regulated drains within the MS4 permit area are maintained by the surveyor using collected taxes	County-wide
Stormwater and Erosion Controls	Erosion control ordinance and plan review for construction sites.	yes	Stormwater Management	Erosion control programs will be reviewed to comply with the stormwater permit regulations.	County-wide
Construction Site Plan Review and Inspection Program	Erosion control ordinance and inspection of construction sites	yes	Stormwater Management	Erosion control inspections are completed by CESSWI and CISEC certified erosion control inspector	county-wide
Industrial Site Storm Water Management Program	Rule 6 program	yes	IDEM/Stormwater Management	Stormwater Management will monitor the permit holders within its jurisdiction and notify IDEM of lack of compliance.	County-wide
Watershed Management Plans	White River Watershed Project has developed several watershed management plans and is continuing to pursue the development of additional plans	yes	SWCD, Sanitary District, Ball State	Plans are in progress and will continue.	county-wide
Recycling	Curbside recycling in Sanitary District.	yes	Sanitary District	Existing program will continue.	Muncie
	Weekly curbside recycling.	yes	Town Public Works	Existing program will continue.	Yorktown
	Drop off Location	yes	East Central Recycling, East Central Indiana Solid Waste District, Muncie Sanitary District	existing program will continue	County-wide
Yard Trimmings Management	Sanitary District curbside leaf pickup & mulch programs. Drop off sites available to county residents.	yes	Muncie Sanitary District	Existing program will continue.	Muncie
	Yard waste picked up weekly. Fall leaf collection.	yes	Town Public Works	Existing program will continue.	Yorktown
Litter	Sanitary District provides trash cans via Toter program. Offers clean-up days and large item drop offs.	yes	Muncie Sanitary District/ECR	Clean up days vary from year to year on location and frequency	Sanitary District for pickup, can pay for drop off
Litter	Litter ordinance, Community Corrections clean-up	yes	County ordinance, Community Corrections	varies	County-wide
Litter Controls	Semi-annual large item pickup.	yes	Town Public Works	Existing program will continue.	Yorktown
Parking Lot/ Street Sweeping Public Streets	Street Sweeping 5 days a week, 2 shifts. Other areas of city property as needed.	yes	Muncie Sanitary District	Existing program will continue.	Sanitary District

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Street Sweeping Public Roads	Annual street sweeping	yes	Town Public Works	Existing program will continue.	Yorktown
Parking Lot/ Street Sweeping Private Property	Cleaning of private development paved areas	yes	Private	As needed basis depending on owner	Yorktown
Parking Lot Street Sweeping Private Property	Cleaning of private development paved areas.	yes	Private	As needed basis.	County-wide
Parking Lot/ Street Sweeping County Roads	County has truck that sweeps before or after street construction	yes	Highway Department	As needed basis	Delaware County Highway Dept
Storm System Maintenance & Operation	Maintain storm sewer system.	yes	Muncie Sanitary District	Existing program will continue.	Sanitary District
	Maintain storm sewer system	yes	Town Public Works	Contract labor	Yorktown
	Maintain storm sewer system	yes	Highway Department	Existing program will continue	Delaware County
Illicit Discharge Detection and Elimination	Investigating illicit connections to storm sewer system from sanitary sewers.	yes	Muncie Sanitary District	Existing ordinance prohibits storm-sanitary cross connections outside combined sewer area.	Sanitary District
Illicit Discharge Detection and Elimination	Investigating illicit connections to storm sewer system from sanitary sewers	yes	Town Public Works	Town has existing wastewater ordinance prohibiting cross connections between sanitary and storm.	Yorktown
Illicit Discharge Detection and Elimination	Investigating illicit connections to storm sewer system from sources other than sanitary sewers.	yes	Muncie Sanitary District	Existing ordinance will be reviewed to incorporate additional requirements of the stormwater permit.	Sanitary District, Delaware County, Yorktown
Illicit Discharge Detection and Elimination	Septic system failure remediation	yes	Health Department	County and state regulations existing.	County-wide
Water Conservation Programs	Educational Conservation Tour, Newsletter, Educational news articles, publications, landowner assistance, partnership utilizing USDA/IDNR/IDEM conservation programs. Various educational displays, in-school programs possible	yes	SWCD		County-wide
Water Quality Educational Programs	Educational Conservation Tour, Newsletter, Educational news articles, publications, landowner assistance, partnership utilizing USDA/IDNR/IDEM conservation programs. Various educational displays, in-school programs, watershed programs, community involvement, water monitoring, education, extensive public presentation and education programs possible.	yes	SWCD	White River Watershed Project funded through July 2008, possible future grants on other watersheds, funding is 90% federal so cannot be utilized as an actual BMP but County support of the project can be listed and is favored	White River Watershed
Salt storage	Salt stored in covered building	yes	Public Works	Storage undercover	Muncie
	Salt and sand stored in covered building	yes	Town Public Works	Storage undercover	Yorktown
	Salt and sand stored in partitioned area	yes	Delaware County Hwy	Storage runoff treated	Delaware County Highway Dept

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Salt distribution	No sand is used inside Muncie Sanitary District. City of Muncie and Sanitary District utilize untreated salt with added beet juice	yes	Public Works, Muncie Sanitary District	New program in 2010, will continue	Muncie
	Salt sand mix distributed. Town has purchased a brine making machine and will pretreat roads and sidewalks using salt brine mixture	yes	Town Public Works	New program in 2010, will continue	Yorktown
	Salt sand mix distributed. County has purchased premixed brine and will pretreat roads and sidewalks using salt brine mixture	yes	Highway Department	New program in 2010, will continue	Delaware County Highway Dept
Hoosier Riverwatch, Go FishIN, Project WET, Project WILD	IDNR educational and public involvement programs taught to public at Minnetrista Cultural Center	yes	SWCD/Minnetrista Cultural Center, Prairie Creek Reservoir	When available	County-wide
	IDNR educational and public involvement programs	yes	IDNR	When available.	County-wide
Community River Clean-up	Plan to clean up the rivers and streams.	yes	Sanitary District	Existing program will continue.	County-wide
Reforestation programs	Programs to reforest include tree sales, tree planting grant and educational programs	yes	SWCD/Sanitary District/Muncie Clean and Beautiful/Delaware Greenways	Several programs in county, Muncie has District Forester.	Muncie
	Any programs to reforest, tree planting grant or educational programs ?	unknown	IDNR	Promote IDNR forestry sales.	County-wide
Buffer Strip, riparian zone and filterstrip education and programs	Promotion and education to landowners of Federal and State programs and specifications for conservation programs	yes	Muncie	As possible	County-wide
Conservation Easements	Acquisition of land programs for preserving conservation sensitive areas	yes	Indiana Land Trust/ Red Tail Conservancy/SWCD	As needed basis	County-wide
Land Development & Water Quality Impacts	Educational program has been done in the past.	yes	SWCD	Funded through a 319 grant.	County-wide