

ROCKVILLE STORMWATER PROGRAM ACTIVITIES

| | EXISTING (Required) PROGRAM ACTIVITIES | ADDITIONAL MINIMUM ACTIVITIES | BEYOND COMPLIANCE Moderate | BEYOND COMPLIANCE Aggressive |
|------------------------------|--|--|---|---|
| | <i>The following activities are currently undertaken in order to be in compliance with federal and state law</i> | <i>The following activities need to be undertaken to meet new and anticipated federal and state requirements, or to meet minimum public safety objectives</i> | <i>These activities meet Mayor and Council's vision; fill maintenance gaps and provide program leadership & support</i> | <i>Funds private improvements; conducts high-end program assessments</i> |
| STORMWATER MANAGEMENT | <ul style="list-style-type: none"> ○ Review sediment control (SC) and issue SC permits ○ Review stormwater management (SWM) concepts and plans and issue SWM permits ● Inspect construction sites for compliance with approved SC and SWM plans ● Develop watershed management plans ● Develop and implement City's SWM Regulations and policies per State law ● Design/construct SWM and stream restoration CIP projects recommended in watershed management plans ● Conduct other SWM-related studies and projects (ex. Low Impact Development Study for College Gardens) ● Inspect City-owned SWM facilities on as-needed basis (at least every 2 years), and provide maintenance/repairs as needed ● Clean trash/debris and mow City-owned SWM facilities ● Respond to complaints on SWM design/ construction/maintenance issues | <ul style="list-style-type: none"> ○ Increase frequency of sediment control inspections and enforcement actions ● Develop City's SWM vision, objectives & strategic plan ● Update watershed management plans on a 10-year rolling basis. ● Inspect private SWM facilities every 3 years and enforce maintenance agreements ● Improve maintenance of public SWM facilities ● Implement state-required tracking program for private SWM inspection & maintenance enforcement ● Reduce backlog on CIP project implementation ● Update City's GIS impervious layer every 2 years ● Participate in regional watershed planning efforts w/ MWCOG, State Tributary Teams & Montgomery County | <ul style="list-style-type: none"> ● Combine SWM policy and regulatory functions to strengthen oversight of SWM program ● Increase grant funding ● Provide aesthetic features & community enhancements in SWM and stream CIP projects ● Establish billing/customer service process if SWM Utility Fee is adopted ● Track drainage & SWM complaints and link to GIS for use in watershed planning ● Cost-share in upgrades to private SWM facilities or stream projects that provide regional benefits | <ul style="list-style-type: none"> ● Provide stabilization, restoration and/or accept ownership for privately owned streams and stream valleys ● Fund upgrades to private SWM facilities ● Assume ownership/ structural maintenance of all SWM facilities (including commercial/ institutional) ● Test experimental SWM technologies in Rockville |

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| ENVIRONMENTAL MGMT./WATER RESOURCES | <ul style="list-style-type: none"> • Prepare initial NPDES MS4 Permit and required yearly tracking and progress report for submittal to MDE • Provide environmental expertise for watershed management, SWM and stream restoration projects • Provide support for environmental education/volunteer opportunities on requested basis (e.g., Adopt-A-Stream, volunteer monitoring, stream cleanups, storm drain marking, Rockville Science Day) • Provide environmental expertise on wildlife management issues related to water resources (i.e., mosquitoes, beavers, etc.) • Create and implement IDDE program (Illicit Discharge Detection & Elimination) – policies, inspections, outfall monitoring, complaint response & enforcement • Develop Env Mgmt./Water Resources vision, objectives & strategic plan • Advise Dept. Recreation & Parks on conveyance & erosion concerns and possible improvements | <ul style="list-style-type: none"> • Develop watershed assessment strategy based on stream monitoring • Conduct volunteer biologic stream monitoring yearly in each watershed • Conduct geomorphic stream assessments on a 10-year rolling basis • Develop & implement emergency response SOPs for accidental spills/releases • Use Mont. County env educational programs & add to City’s website for env information • Survey residents about watershed behaviors for benchmarking • Develop City policies & guidance for LID (Low Impact Development) • Monitor NPDES permit compliance for City’s 4 Industrial sites/programs (water main flushing, Swim Center, Gude Maintenance Facility & City’s Water Treatment Plant) | <ul style="list-style-type: none"> • Accept structural maintenance for SWM facilities in residential SFD and TH communities • City conducts its own env education programs tailored to residents’ needs & interests • Actively promote LID through tech. assistance to residents & monitor LID features • Conduct monthly chemical monitoring at one station in each of the three watersheds • Coordinate & implement citywide water resources-related functions in Environ. Mgmt. Strategy • Create cost-share program to encourage owners to invest in small-scale LID features | <ul style="list-style-type: none"> • Assess all streams every 3-5 years (biologic, chemical & physical sampling) • Fund LID measures on private property • Assess SWM facilities (meeting design goals for pollutant and nutrient removal efficiency) |

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| STORM DRAIN/ CONVEYANCE | <ul style="list-style-type: none"> ○ Review storm drainage and conveyance plans and issue public works permits for development ○ Review 100-year floodplain studies for proposed development and enforce City's Floodplain Management Ordinance ● Conduct maintenance/repair on public storm drains on a complaint-driven basis ● Monitor and maintain a limited number of drainage structures prone to clogging and/or flooding ● Design & construct storm drain extensions/improvements on a complaint-driven basis ● Administer the City's responsibilities for the FEMA National Flood Insurance Program – review and recommend mapping updates, disseminate flood insurance information to community ● Investigate drainage & storm drain complaints, determine if problem is public or private responsibility, give technical guidance to concerned parties and implement public improvements if found to be City's responsibility | <ul style="list-style-type: none"> ● Develop City's Storm Drain/Conveyance vision, objectives & strategic plan ● Complete digital mapping of public storm drain system & all outfalls ● Update GIS database with SD pipe information (age, material, maintenance) ● Develop City policies for private drainage problems & clarify City Code for enforcement actions ● Conduct recommended repairs to CMP (corrugated metal pipe) storm drain system based on initial 2005 survey ● Conduct study on remaining CMP system to identify needed repairs and implement these repairs | <ul style="list-style-type: none"> ● Review development plans/permits for appropriate environmental design (compliance w/ City stream buffer guidelines) ● Conduct preventative SD inspection and maintenance on a 20-year rolling basis ● Update 1974 City storm drain capacity study ● Construct SD repairs/upgrades as recommended in inspection inventories and drainage studies ● Provide technical information to residents for private drainage problems ● Fix localized flooding/drainage problems in parks (beyond streams and public storm drain outfalls) | <ul style="list-style-type: none"> ● Fix localized flooding/drainage problems in parks (beyond streams and public storm drain outfalls) ● Provide storm drain extensions or improvements to private properties with drainage problems (also purchase drainage easements) |