

Lebanon County MS4 Permit Annual Report Summary

Municipality	Watersheds	MCM #1 <i>Public Education and Outreach</i>	MCM #2 <i>Public Involvement/Participation</i>	MCM #3 <i>Illicit Discharge Detection and Elimination</i>	MCM #4 <i>Construction Site Stormwater Runoff Control</i>	MCM #5 <i>Post-construction Stormwater Management in New Development and Redevelopment</i>	MCM #6 <i>Pollution Prevention/Good Housekeeping for Municipal Operations</i>	Urban Stormwater Structural BMP
North Londonderry Township	Killinger Creek, Quittapahilla Creek, Spring Creek	Township newsletters are distributed to every household and business in Township. Township purchased additional stencils for new developments. Highway employees educated on MS4 issues.	Signs were installed near intersection of two creeks to raise watershed awareness. Highway employees participated in drain stenciling program and upgraded the existing stormwater management facilities.	Township engineer produced a detailed storm sewer system map and will continue to update. Individual drainage basins have been identified and outfalls numbered. Drainage basins prioritized. Investigation for illicit connections to the storm sewer system being conducted.	LCCD reviews and approvals all E&S plans submitted as part of new land development plans. LCCD inspects projects under construction/post-construction. Township engineer works with developers to insure plans are in compliance with MS4 regs.	Township works with Plannig Dept. to insure that post construction BMPs are in place and functioning.	Township has updated its on-site stormwater facilities. Highway employees have been instructed on the importance of the stormwater facilities. Stormwater facilities are routinely inspected.	11a - 837 acres Spring Creek 11c - 837 acres Spring Creek 11g - 837 acres Spring Creek 13a - 541 acres Killinger Creek 15a - 758 acres Killinger Creek
Lebanon County	Tulpehocken Creek, Cocalico Creek	Public education plans has been reviewed and no changes were necessary. Storm drain stenciling program has continued with marking new inlets. LCCD/Plannig Dept. have applied for a Water Resources Education Network grant to conduct a rain barrel workshop.	Public Involvement and Participation Plan has been reviewed and no changes necessary. Involvement with local watershed groups/clean water initiatives. (Swatara Creek Watershed Assoc., Quittapahilla Creek Watershed Assoc., Tri-County Conewago Creek Watershed Assoc., Furnace Run/Segloch Run Watershed Alliance, Lebanon Valley Conservancy and TU Doc Fritchey Chapter.) Training session was held for maintenance staff to educate them on achieving pollution prevention goals. In 2011, established the Lebanon County Clean Water Alliance.	Updates to the stormwater management facilities mapping including outfall locations. LCCD and Planning Dept. have applied for a Water Resources Education Network grant to conduct a rain barrel workshop.	Modifications in progress on county SALDO to bring it into compliance with DEP's current Model Stormwater Ordinance.	Maintains DEP approved stormwater management regs.	"Vehicle/Equipment Maintenance, Pollution Prevention/Operation & Maintenance Good Housekeeping Practices Manual" updated 6/1.	Grass swales - 80 acres Quittapahilla Creek Detention Basin - 80 acres Quittapahilla Creek Wetlands - 80 acres Quittapahilla Creek Rock Filter - 6.72 acres Snitz Creek Pervious Pavement - 6.72 acres Snitz Creek Rain Garden - 6.72 acres Snitz Creek Grass Swale - 6.72 Snitz Creek
Annville Township	Quittapahilla, Swatara, Lower Susquehanna	Updates to mailing list. Newsletter about MS4 program.	Township plans to update/develop a PIPP within 6-12 mo.	Township is working on GIS all stormwater locations.	Memorandum of Understanding with Conservation District for review/enforcement of E&S plans.	6/7/10 Enacted Ordinance No. 596 - stormwater management ordinance.	Township Public Works dept. regularly cleans/repairs all municipally owned stormwater facilities	None this period
Cornwall Borough	?	Borough has worked with LCCWA to reach a broader audience. Several large public meetings were held in 2011-12 to disseminate MS4 info.	The PIPP was reviewed - no revisions were necessary.	An outfall map was created from information assembled by the Borough's Engineer and verified with field study. Borough has adopted a version of DEP's recommended Ordinance provision for IDD&E.	Partnership with LCCD to enforce construction stormwater runoff.	All land development plans in the Borough are subject to the rules, regs, standards and procedures set forth in the Subdivision and Land Development Ordinance (SLDO). Borough has begun to update its stormwater management ordinance to comply with DEP's model ordinance for MS4.	Borough's road maintenance dept. is responsible for inspecting publicly owned stormwater facilities after each major storm event/routine maintenance. Borough sweeps streets each Spring.	Detention Basin A - 8 acres Snitz Creek Detention Basin - 10 acres Snitz Creek Underground Detention Vault - 5 acres Unnamed Trib to Snitz Creek Detention Basin - 20 acres Unnamed Trib to Snitz Creek Detention Basin - 20 acres Unnamed trib to Quittapahilla Creek Infiltration Trenches (40) - <1/2 ac each Detention Basin - 35 acre Unnamed Trib to Snitz Creek Detention Basin - <1 acre Snitz Creek Detention Basin - 34 acres Unnamed trib to Snitz Creek Detention Basin - 5.5 acres Unnamed Trib to Snitz Creek Detention Basin w/ Infiltration Bed - 1/2 ac Snitz Creek Infiltration Trenches (3) >1.5 ac Detention Basin - 20 acres Snitz Creek Detention Basin - 16 acres Snitz Creek Detention Basin - 1 acre Snitz Creek Infiltration bed - <1/2 acre Detention Basin - <1 acre Snitz Creek
Jackson Township	Tulpehocken Creek	Township has worked with LCCWA to reach a broader audience. Several large public meetings were held in 2011-12 to disseminate MS4 info.	The PIPP was reviewed - no revisions were necessary.	An outfall map was created from information provided by the Township's road crew and verified with field study. Borough has adopted DEP's recommended Ordinance provision for IDD&E.	Partnership with LCCD to enforce construction stormwater runoff.	Previously adopted a post-construction Stormwater Management Ordinance that was developed in accordance with DEP's model ordinance for the Tulpehocken Creek Watershed.	Township road crews inspect all publicly owned facilities after major storm events. Township sweeps streets occasionally after heavy winters.	
Cleona Borough	Quittapahilla Creek	Borough has worked with LCCWA to reach a broader audience. Several large public meetings were held in 2011-12 to disseminate MS4 info.	The PIPP was reviewed - no revisions were necessary.	An outfall map was created from information assembled by the Borough's Engineer and verified with field study. Borough has adopted DEP's recommended Ordinance provision for IDD&E.	Partnership with LCCD to enforce construction stormwater runoff.	Previously adopted a post-construction Stormwater Management Ordinance that was developed in accordance with DEP's model ordinance for the Tulpehocken Creek and Cocalico Creek Watersheds.	Borough stormwater facilities are typically cleaned/repaired/replaced as necessary. Borough sweeps streets twice annually (Spring/Fall).	Detention Basin - 15 acres Quittapahilla Creek Detention Basin - 22 acres Quittapahilla Creek Detention Basin - 6 acres Quittapahilla Creek Detention Basin - 16 acres Quittapahilla Creek
South Lebanon Township	Quittapahilla Creek	Township has worked with LCCWA to reach a broader audience. Several large public meetings were held in 2011-12 to disseminate MS4 info.	The PIPP was reviewed - no revisions were necessary.	An outfall map was created from information provided by the Township's road crew and verified with field study. An Ordinance prohibiting illicit non-stormwater discharges was approved by the Board of Supervisors 6/28/05.	Partnership with LCCD to enforce construction stormwater runoff.	Previously adopted a post-construction Stormwater Management Ordinance that was developed in accordance with DEP's model ordinance for the Tulpehocken Creek Watershed. Township has begun updates to its stormwater management ordinance to comply with DEP's model ordinance for MS4s.	Township road crews inspect all publicly owned facilities after major storm events. Township sweeps streets annually (Spring)	Detention Basins (30) - 361.2 ac Quittapahilla Creek Infiltration Trenches (2/lot, 36 lots) - 1,500 SF/each Quittapahilla Creek Infiltration Trenches (2/lot, lots 106-112) - 1,500 SF/each Quittapahilla Creek Infiltration trenches (2/lot, lots 5-9) - 1,500 SF/each Quittapahilla Creek
North Lebanon Township	Swatara Creek, Schuylkill River	Reviewed public education plan and no changes. Quarterly newsletter. Township has worked with LCCWA to reach a broader audience.	The PIPP was reviewed - no revisions were necessary. Summer 2012 - adopted new Stormwater Management Ordinance	An outfalls map was created by the Township's road crew and verified through field study. Board of Supervisors approved DEP's recommended Ordinance provisions for IDD&E (prohibiting most types of non-stormwater discharges)	Memorandum of Understanding with Conservation District for review/enforcement of E&S plans. Partnership with LCCD to enforce construction stormwater runoff.	All land development plans in the Borough are subject to the rules, regs, standards and procedures set forth in the Subdivision and Land Development Ordinance (SLDO). Summer 2012 - expected date to adopt a new stormwater management ordinance to comply with DEP's model ordinance for MS4s.	Township Safety Committee performs semi-annual inspections on its properties and includes the stormwater facilities. Township sweeps streets annually each Spring.	Bioretention Rain Garden (2) Detention Basin (17) Catch Basin (7) Retention Basin (1)
West Cornwall Township	Snitz Creek (trib to Quittapahilla Creek)	Township has worked with LCCWA to reach a broader audience.	The PIPP was reviewed - no revisions were necessary. 6/15/2005 - ordinance passed prohibiting non-stormwater. Township continued to work with Planning Dept. on a comprehensive Stormwater Management ordinance update that conform to DEP's model ordinance for MS4s	An outfall map was created from information assembled by the Township's Engineer and verified with field study. DEP's recommended Ordinance provision for IDD&E, prohibiting most non-stormwater discharges was approved 6-13-05	Partnership with LCCD to enforce construction stormwater runoff. Memorandum of Understanding with Conservation District for review/enforcement of E&S plans.	All land development plans in the Borough are subject to the rules, regs, standards and procedures set forth in the Subdivision and Land Development Ordinance (SLDO). Borough has begun updates to its stormwater management ordinance to comply with DEP's model ordinance for MS4s.	Township's road foreman is responsible for inspecting publicly owned stormwater facilities after each major storm event/routine maintenance. Township sweeps streets each Spring.	Retention Pond/Dry pond - 150 acres Snitz Creek Wet pond - 7 acres Snitz Creek Dry Pond - <5 ac Unnamed trib to Snitz Creek Dry Pond - <5 ac Unnamed Trib to Snitz Creek Dry Pond - <5 ac Unnamed Trib to Snitz Creek Dry Pond - 10 ac Unnamed Trib to Snitz Creek
Jonestown Borough	Swatara Creek	A new PIPP was prepared 7/16/10. Environthon in Spring 2011. Voluntary 4/11 storm drain stenciling event. Borough received DEP grant for public education -- teacher training/presentations to elementary school students on water/air quality. Small rain garden created for education purposes.	New PIPP was prepared 7/16/10. Participation in Lebanon County Clean Water Alliance.	Outfall mapping updated in 2010. An Illicit discharge ordinance was adopted by the Borough 7/6/10.	E&S plans go through the LCCD. All subdivisions/land development projects subject to SALDO.	All subdivisions/land development projects subject to SALDO. Borough to inspect all stormwater facilities within the MS4 permit area.	An O&M Plan for municipally owned stormwater facilities was created and implemented in 7/10. Storm inlets cleaned after each storm. Appropriate employees were trained in the Pollution Prevention/Good Housekeeping for Municipal Operations Program Manual (7/10).	Stormwater Basin 6 - 3.5 acres Swatara Creek Stormwater Basin 7 - 6.5 acres Unnamed trib to Swatara Creek Stormwater Basin 8 - 8.5 acres to Swatara Creek