

**Town of Smyrna**  
**Storm Water Management Program**  
**Progress Report to the**  
**Storm Water Advisory Committee**  
*October 19, 2009 at 7:00 PM*  
*Smyrna Town Hall /Council Chambers*

- I. Discuss the following Storm Water Management (SWM) Program achievements made from: July 1, 2009 through September 30, 2009.
- A. Received eight citizen inquiries about the Storm Water Utility (SWU) user fee.
  - B. Mailed two large informational packets, including an aerial photograph, line item summary sheet, informational flyer already sent to them the month before in their utility bill, speaking notes, adjustment, appeals, and credit policy and application forms, and business card of SWM Program Coordinator.
  - C. The remaining six inquirers were sent the informational flyer already mailed to them with their September 2008 utility bill accompanied by speaking notes and business card of SWM Program Coordinator.
  - D. Tracking tables were maintained for the total number of SWU user fee inquiries and total number of large packets mailed.
  - E. Completed writing the TDEC annual report for permit Year-6 (2008-2009) then submitted to SWAC members, along with the quarterly report to SWAC, for their review. This helps satisfy a MS4 permit requirement.
  - F. Town of Smyrna staff facilitated one monthly SWAC meeting where no SWU user fee issues were addressed by all seven of the SWAC members, but the quarterly report to SWAC and the annual report to TDEC were reviewed and approved. There were no August or September meetings. This satisfies a MS4 permit requirement.
  - G. Reviewed ten grading plans during three monthly staff plan review meetings. This satisfies a MS4 permit requirement.
  - H. Completed sediment control measure inspections of just five construction sites prior to issuance of their grading permit.
  - I. Facilitated just five official grading permit pre-construction meetings. This satisfies a MS4 permit requirement.
  - J. Issued just five grading permits. This satisfies a MS4 permit requirement.
  - K. Made a special effort to assist developer of Colonial Town Park Apartments property, behind Kohl's, to construct a sediment basin that would eliminate the sediment leaving his property, entering the storm drains then collecting on the bottom of the Colonial Town Park detention basin.
  - L. Mr. Sartino posted four more of the 52 stream crossing (name) signs, bringing the total to 11.
  - M. Dwaine Lawson, Environmental Tech/inspector accomplished the following, which all help satisfy MS4 permit requirements:
    - i. Organized and tracked monthly inspection calendar for all construction sites.
    - ii. Conducted 123 erosion protection sediment control inspections on individual construction sites then filed each of them electronically and hardcopy as well as worked with developers, builders, and engineers to remediate these violations.
    - iii. Issued three Notices of Violation (NOVs) and one Letter of Warning subsequent to construction site inspections.
    - iv. Conducted multiple detention basin re-inspections, meeting with property owners to ensure they understood what is required of them.
    - v. Instrumental in the successful completion of the Colonial Town Park Apartments sediment basin.
    - vi. Continued recording electronic database of all issued Letters of Warning and NOVs and supporting documents, other than plans found in project files.
    - vii. Participated in all five pre-construction meetings.
    - viii. Attended and assisted in the preparation of one monthly SWAC meeting.
    - ix. Took the lead role in ordering the much needed GIS/GPS equipment then, once received, became familiar with their proper operation.
    - x. Dealt with a wide array of citizen complaints, several in number.
    - xi. Continued to submit weekly activity reports to Public Works Director, David King.
    - xii. Attended Middle Tennessee Regional TN GIC conference in Lebanon.
  - N. Met with Dr. Warren Anderson and a graduate assistant, both of MTSU-Plant and Soil Sciences Department and Dwight Barnett of the Tennessee Division of Forestry at the Old Jones Mill Road remediated borrow pit, to learn which types of trees need to be planted to establish a natural progression from top of stream bank to highlands. Perhaps, one day this area could be used as an informative natural area. This helps satisfy a MS4 permit requirement.
  - O. Submitted application for the \$500 Riparian Tree Planting Grant from the TWRA Aquatic Habitat Protection Program, after undergoing review and consultation by Parks Director, Mike Moss.
  - P. The 2<sup>nd</sup> Annual Boat Day – 4<sup>th</sup> Annual WaterFest attracted 120 citizens to the Stewart Creek Recreation Area to enjoy canoeing and kayaking as well as to learn about water quality at seven educational displays. Approximately 89 citizens, in addition to the 11 exhibitors and 20 helpers, attended the event, which witnessed the Director of the Division of Water Pollution Control, Paul Davis, assist in loading kayaks as well as assisting folks learn more about how his program is helping us all to improve and protect our water resources. This year's event was a joint effort between the Stones River Watershed Association (SRWA), U.S. Army Corps of Engineers, Rutherford County Sheriff's Department, Paddle Adventures Plus, and the Town of Smyrna (Fire Department, Police Department, Street Department, and Storm Water Program). Next year's event will be held two weeks earlier on the weekend prior to Independence Day rather than the weekend after it.
  - Q. Thirty-eight certificates of appreciation were sent to partners, helpers, and exhibitors as part of the awards program.

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- R. Prepared for TDEC program audit by crafting responses to some five pages of questions raised during previous program audits across the state. Several of these questions begged the need for revising existing documents as those that follow.
- S. Created a mile-marker aerial photo/map of Stewart Creek and Harts Branch with the zero mile-markers being at the confluence of Stewart Creek with Percy Priest Lake and Harts Branch with Stewart Creek.
- T. Revised Retrofit Project/High Impervious Area Inventory file by updating the primary tracking table that lists all areas of Smyrna that contain large, contiguous areas of impervious surfaces. Determined percent imperviousness, total area of imperviousness, distance to local stream, and ranking of each site according to area, distance to stream, and distance upstream as stream banks further upstream would be more affected by high amounts of runoff than downstream segments with wider beds and greater volume cross-sections.
- U. Updated tracking album of all illicit discharge events directly affecting one of Smyrna's six streams, not forgetting the letter the Town of Smyrna submitted to TDEC in 2007 that exempted it from TMDL monitoring of Finch Branch, thus avoiding what is required of the remaining three Rutherford County MS4 programs.
- V. Submitted 2009 Household Hazardous Waste and Electronic Waste announcements to Channel 3 and website for posting.
- W. Submitted a Keep Tennessee Beautiful (KTB) awards application to reflect the efforts made by citizens and staff alike this spring. Learned that the application will be kept for the biennial awards judging process held in 2010.
- X. Received call from mom with the Boy Scout troop at the Church of Jesus Christ of Latter Day Saints about wanting to do a service project. Storm drain decals (419) given to the Town of Smyrna by the SRWA were located, old and hardened glue was replaced, and a reconnaissance of several subdivisions serviced by storm drains was delineated on two sets of aerial photographs in preparation for an event. The troop decided to postpone the event until next spring when the Town of Smyrna will probably invite at least one other scout troop to participate. These decals were used to design our present day 'No Littering: Drains to Lake' signs found along the town's streamside parks and greenways.
- Y. SWM program coordinator continued to attend all SRWA monthly executive board meetings as a director for 2009-2010.
- Z. Received annual response letter from the U.S. Fish and Wildlife Service informing the Town of Smyrna that their assessment of threatened and endangered species in the Stewart Creek watershed indicated none exist. This helps satisfy a MS4 permit requirement.
- AA. Received the final completed version of the TDEC – Division of Water Supply Application for Authorization to Operate a Class V Underground Injection Well or Storm Water Discharge to the Subsurface permit from the engineer of record then submitted to TDEC. A month later TDEC issued the Town of Smyrna a two-year permit to repair sinkholes and open fractures.
- BB. The Town of Smyrna town council approved the inter-local agreement, which later became renamed to an inter-agency contract, at its July meeting. Both school boards and all four governing entities approved the Project WET document, which now awaits signatures by all four mayors. This helps satisfy a MS4 permit requirement.
- CC. Continued to answer numerous (13) citizen inquiries regarding storm water drainage issues then forwarding them to Susan Weber as work orders for the eventual processing by Billy Davis and the Street Department.
- DD. Continued to provide public works director and town manager with daily reports from which this quarterly report is written.

(30 separate line items)