

**Town of Smyrna**  
**Storm Water Management Program**  
**Progress Report to the**  
**Storm Water Advisory Committee**  
*April 18, 2016 at 6:00 PM*  
*Smyrna Town Hall /Council Chambers*

- I. Discuss the following Storm Water Management (SWM) Program achievements made from: January 1 through March 31, 2016.
- A. Seventy-three certificates of occupancy issued this quarter were assessed for the corresponding SWU fee then reported monthly to CUD and Utilities. In addition, all SWU fee delinquent accounts were also tracked and reported to Utilities.
  - B. Mr. Rose reviewed all grading permits, in tandem with sediment control reviews by the program coordinator, and attended most pre-construction meetings, where he required the submittal of as-built drawings for each and every project as well as all applicable water quantity concerns.
  - C. Received copy of most recently issued TDEC MS4 program permit, which was revised since the 2015 version to accommodate a pending state law supported by the Tennessee Homebuilders Association. The corresponding Town of Smyrna Storm Water Management Ordinance must be revised to support the new permit then reviewed/approved by the SWAC (October) and the Town Council and signed by Mayor Reed (November) before its TDEC submittal in January 2017 in order to meet state and federal law.
  - D. Received no citizen inquiries about the Storm Water Utility (SWU) user fee.
  - E. Completed writing the quarterly report for SWAC review. This satisfies a MS4 permit requirement.
  - F. Town of Smyrna staff facilitated one monthly SWAC meeting (January) where the quarterly progress report and several Vacant Accounts were reviewed and approved. This satisfies a MS4 permit requirement.
  - G. At its January meeting, the SWAC voted to replace monthly meetings with quarterly meetings, unless otherwise called by staff.
  - H. Reviewed 11 sets of grading plans during three monthly staff plan review meetings then created project files once they were Planning Commission-approved. This satisfies a MS4 permit requirement.
  - I. Began contacting developers soon after their projects are Planning Commission-approved to encourage them to pass the grading permit procedures (mailed with their planning office letter) on to their project manager.
  - J. Corresponded with developers and contractors about several imminent projects concerning grading permit issues. This satisfies a MS4 permit requirement.
  - K. Completed sediment control measure inspections at eight construction sites prior to the issuance of their grading permits, none of which were a Town of Smyrna project. This satisfies a MS4 permit requirement.
  - L. Facilitated eight official grading permit pre-construction meetings. This satisfies a MS4 permit requirement.
  - M. Issued eight grading permits. This satisfies a MS4 permit requirement.
  - N. Investigated three Illicit Discharge Detection and Elimination (IDDE) issues. This satisfies a MS4 permit requirement.
  - O. Received call from TDEC to investigate an IDDE along the east side of Fitzhugh Boulevard. Did so during storm event as large volumes of white discharged water was flowing through an open-fracture then into Stewart Creek. Our first thought was the recently painted rooftops of four large hangars were the source, but we then learned that the neighboring sanitary sewer had developed a major break. The open-fracture was sealed off from the stream with a boom and the site was cleaned that very day. This satisfies a MS4 permit requirement.
  - P. Dwaine Lawson, Environmental Tech/Inspector accomplished the following, which all satisfy MS4 permit requirements:
    - i. Organized and tracked monthly inspection calendar for all construction sites.
    - ii. Conducted monthly construction inspections and electronically recorded them in PubWorks, and worked with supervisors, developers, builders, and engineers during 160 (51/Jan. + 52/Feb. + 57/Mar.) construction site inspections (Of these ~45 per month are active).
    - iii. Issued three Notices of Violation (NOV) for construction reasons.
    - iv. Participated in eight grading permit pre-construction meetings.
    - v. Conducted another round of grease receptacle inspections, by inspecting 95 receptacles and updating the inspection sheet. No letters of warning not NOVs were issued.
    - vi. Investigated three Illicit Discharge Detection and Elimination issues then issued one NOV.
    - vii. Continued to work with business owners, property owners, et al to educate and enforce detention basin corrections.
    - viii. Based on previous annual detention basin inspections, issued one NOV.

- ix. Continued to respond to citizens' concerns.
  - x. Reviewed three as-built plan submittals.
  - xi. Conducted 52 individual construction lot erosion control inspections.
  - xii. Worked with Tom Rose and Greg Upham updating the Stormwater Management Ordinance according to the permit issued by TDEC in 2015 and extended into 2016.
  - xiii. Followed-up on CSX Track Addition project to ensure it met Notice of Termination requirements.
  - xiv. Worked with Public Works Director on several projects pertaining to ongoing construction projects, drainage issues, and a variety of other projects.
- Q. Determined cost of constructing four double-sided educational kiosks for eventual placement in one of the Town's parks then submitted this cost to Mr. Rose for inclusion in the yet to be approved FY-16/17 budget. This satisfies a MS4 permit requirement.
- R. The 9<sup>th</sup> annual Boat Day's U.S. Army Corps of Engineer Land Use Permit was approved first by the council/signed by the mayor then submitted and approved by the Corps and TWRA. This event will be held on June 18<sup>th</sup> at the Jefferson Springs Recreation Area in Smyrna. This satisfies a MS4 permit requirement.
- S. Met with Janet York to discuss the possibility of purchasing kayaks and paddles and Parks Departments manning a Boat Day display explaining the future and progress of the Outdoor Adventure Center then Mr. Rose and Mike Moss approved the purchasing of ten kayaks and paddles, five by the SWM Program and five by Parks.
- T. Assessed all possible stream cleanup sites finding eight of them in need. Requested a NOV be sent to one landowner, which resulted in the drainage ditch being cleaned. The remaining seven need cleaning this spring. This satisfies a MS4 permit requirement.
- U. Held one spring stream cleanup event, where eight Rotarian volunteers and two sons removed 32 bags of litter from the Davis Park wet weather conveyance and Harts Branch, at the Old Jones Mill site. This satisfies a MS4 permit requirement and marks the beginning of the eleventh consecutive year of stream cleanups.
- V. Received ten certificates of appreciation, signed by Mayor Reed's for the volunteers assisting in the aforementioned fall stream cleanup then distributed them. This satisfies a MS4 permit requirement.
- W. Partnered with United Way to host two stream cleanups on April 7<sup>th</sup> with volunteers from Nissan and Bridgestone. This will be the first time the Town has partnered with either of these corporations. This satisfies a MS4 permit requirement.
- X. Due to the approval by the former Stone Crest Medical Center, C.O.O., Andrew Tyrer, the construction of a two-layered rock berm will commence sometime this summer. Mr. Rose and Mr. Upham met with the Facilities Director, Kenney Warren on-site to gain final approval and coordinate the project. Mr. Warren was more than 100% in favor of the project. This may be the first time this type of Best Management Practice has ever been constructed on TDOT right of way. A spring cleanup will remove the immense amounts of litter collected there from I-24. This satisfies a MS4 permit requirement.
- Y. The recently initiated stream cleanup web site has generated at least two individual volunteers.
- Z. Met with Mr. Gill, Mr. Rose, and Mr. Peach to find a way to decrease the amount of litter being discarded onto our roads and highways.
- AA. Met with Mr. Rose to discuss his ideas of starting an Adopt A Stream program in the public schools and an Adopt A Highway program with the local businesses and Rotarians. He is scheduled to present the latter potential program to the Rotarians at a May luncheon meeting. This satisfies a MS4 permit requirement.
- BB. Continued to care for the nine surviving seedlings, while three were planted along Harts Branch at the Old Jones Mill site. All trees are surrounded by four stakes and chicken wire to keep deer from eating them. Have made tentative arrangements to plant them in the newly initiated West Fork Neighborhood Park in late winter of 2016. The SWM Program will be working in conjunction with the Parks Department on this project.
- CC. The Public Works Office Coordinator handled 12 citizen inquiries regarding storm water drainage issues during this same time frame.
- DD. Continued to provide public works director with daily reports from which this quarterly report was written.
- EE. Mr. Rose directed staff to initiate the gathering and composing of data related to a TDOT grant entitled Safe Routes to School, which will, hopefully, pay for much needed sidewalks leading up to school properties. Staff mailed a second questionnaire to six of the 12 public school principals again requesting counts for bus riders, car riders, walkers, and bikers.
- FF. Assessed the Town for sidewalks in need of repair and short missing segments then met with Mr. Rose, Dwaine Lawson, and Lee Parnell to approve them. The Town entered into contract for action to be taken during the next few months.  
(32 program achievements and 14 achievements for Dwaine Lawson).