

**TDEC Small MS4 Annual Report
1st Year, July 1, 2003 – June, 30, 2004
Report due September 30, 2004**

Permittee Tracking No. TNS: 075779

Permittee Name: Town of Smyrna

I. Status of Compliance with Permit Conditions (5.4.1) Six Minimum Measures, BMPs, and Milestones

A. Status of Compliance with BMP Milestones (by 6/30/04)

BMP Code	Milestone	Yes	No	Date completed or If "No", Date to be completed	Amended/ Replaced BMP	Amended/ Replaced Milestone	An "Amended" Response is described below
1A	Year 1	---	X	December 2004	X	X	Yes
1A*	Year 1	X	---	February 2004	---	---	Yes
1A**	Year 1	X	---	June 2004	---	---	Yes
1B	Year 1	---	X	March 2005	---	X	Yes
1C	Year 1	---	X	March 2005	---	X	Yes
1D	Year 1	---	X	September 2004	---	X	Yes
2A	Year 1	X	---	October 2003	---	---	N/A
2B	Year 1	X	---	October 2003	---	---	N/A
2C	Year 1	---	X	October 2004	---	X	Yes
2D	Year 1	---	X	August 2004	---	---	N/A
2D	Year 1	---	X	March 2005	---	X	Yes
3A	Year 1	X	---	October 2003	---	---	N/A
3B	Year 1	---	X	December 2004	---	X	Yes
3C	Year 1	---	X	December 2004	---	X	Yes
3D	Year 1	---	X	December 2004	---	X	Yes
4A	Year 1	---	X	December 2004	---	X	Yes
4B	Year 1	---	X	December 2004	---	X	Yes
4C	Year 1	---	X	March 2005	---	X	Yes
4D	Year 1	---	X	December 2004	---	X	Yes
4E	Year 1	---	X	December 2004	---	X	Yes
5A	Year 1	---	X	October 2004	---	X	Yes
5B	Year 1	---	X	December 2004	---	X	Yes
5C	Year 1	---	X	March 2005	---	X	Yes
5D	Year 1	---	X	March 2005	---	X	Yes
6A	Year 1	---	X	March 2005	---	X	Yes
6B	Year 1	---	X	March 2005	---	X	Yes
6C	Year 1	---	X	March 2005	X	X	Yes

* - Arrange for a storm water drain labeling program as an Eagle Scout project.

** - Initiate storm water drain labeling of headers along Enon Springs Road widening and storm drain installation project.

B. Status of Compliance for amended and replaced BMPs

BMP Code	Milestone	Milestone Description	Yes	No	Date completed or If "No", Date to be completed
1A	June 2004	Coordinate with Rutherford County and possibly Murfreesboro, then seek approval from Schools Superintendent to participate in Project WET beginning early 2005.		X	December 2004
1B	June 2004	Add storm water information to website		X	March 2005
1C	June 2004	Establish phone line & tracking system		X	March 2005
1D	June 2004	Prepare Year-1 annual report w/hearing		X	September 2004
2C	June 2004	Conduct annual report public meeting		X	October 2004
2D	June 2004	Hold stream clean-up days		X	March 2005
3B	June 2004	Set up screening/inspection procedures		X	December 2004
3C	June 2004	Establish hotline & complaint tracking		X	December 2004
3D	June 2004	Develop mapping plan & ID outfalls		X	December 2004
4A	June 2004	SWAC develops draft ordinance-runoff		X	December 2004
4B	June 2004	SWAC develops draft procedures		X	December 2004
4C	June 2004	Review existing BMP publications		X	March 2005
4D	June 2004	Develop construction site inspections		X	December 2004
4E	June 2004	SWAC develops enforcement procedure		X	December 2004
5A	June 2004	SWAC develops draft ordinance-post		X	October 2004
5B	June 2004	SWAC develops draft procedures-post		X	December 2004
5C	June 2004	Review existing BMP publications		X	March 2005
5D	June 2004	Develop manual for admin. & structure		X	March 2005
6A	June 2004	SWAC develops draft ordinance-MPP		X	March 2005
6B	June 2004	Develop routine maintenance program		X	March 2005
6C	June 2004	Develop training program		X	March 2005

BMP Code	Explanation for "NO" Response
1A	Coordinate with Rutherford County and possibly Murfreesboro then seek approval from Schools Superintendent to participate in Project WET beginning early 2005. Laurina Lyle and her facilitators are far better at this than we are and are ready to go.
1B	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it.
1C	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it.
1D	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it. Annual report written by manager.
2C	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it. Manager attended and assisted in 2 meetings.
2D	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it. Manager attended and assisted in 2 meetings.
2D	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it.
3B	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it. Manager drafted/used a field inspection form.
3C	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it.
3D	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it. GIS staff began tracking of new storm drains.
4A	Unchanged BMP, manager was not hired until August 2004, but town engineer did initiate this BMP in 2003 and policy and ordinances were begun soon afterwards.
4B	Unchanged BMP, manager was not hired until August 2004, but town engineer did initiate this BMP in 2003 and policy and ordinances were begun soon afterwards, but not completed. Manager is completing the policy and ordinance.
4C	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it. Manager will be reviewing Knoxville's manual.
4D	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it. Manager developed/used field inspection form.
4E	Unchanged BMP, manager was not hired until August 2004, but town engineer did initiate this BMP in 2003 and policy and ordinances were begun soon afterwards, but not completed. Manager is completing the policy and ordinance.
5A	Unchanged BMP, manager was not hired until August 2004, but town engineer did initiate this BMP in 2003 and policy and ordinance were begun soon afterwards.
5B	Unchanged BMP, manager was not hired until August 2004, but town engineer did initiate this BMP in 2003 and policy and ordinances were begun soon afterwards, but not completed. Manager is completing the policy and ordinance.
5C	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it. Manager will be reviewing Knoxville's manual.
5D	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it.
6A	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it.
6B	Unchanged BMP, manager was not hired until August 2004 and workload of town engineer was too great to initiate it.
6C	Change BMP so training of Codes Inspectors can be done by an outside source.

II. Assessment of the appropriateness of identified BMPs (5.4.1)

BMP Code	Short Title	Inappropriate	Minimal	Good	Superior
1A	Partner with schools >> Project WET			X	
1A	Storm water drain labeling by citizens.			X	
1A	Storm water drain labeling by town.			X	
1B	Add storm water information to website			X	
1C	Establish phone line & tracking system			X	
1D	Prepare Year-1 annual report w/hearing			X	
2A	Appoint SWAC & set regular meeting			X	
2B	Appoint SWAC & set regular meeting			X	
2C	Conduct annual report public meeting			X	
2D	Organize citizen groups, et al			X	
2D	Hold stream clean-up days			X	
3A	SWAC develops draft ordinance			X	
3B	Set up screening/inspection procedures			X	
3C	Establish hotline & complaint tracking			X	
3D	Develop mapping plan & ID outfalls			X	
4A	SWAC develops draft ordinance-runoff			X	
4B	SWAC develops draft procedures			X	
4C	Review existing BMP publications			X	
4D	Develop construction site inspections			X	
4E	SWAC develops enforcement procedure			X	
5A	SWAC develops draft ordinance-post			X	
5B	SWAC develops draft procedures-post			X	
5C	Review existing BMP publications			X	
5D	Develop manual for admin. & structure			X	
6A	SWAC develops draft ordinance-MPP			X	
6B	Develop routine maintenance program			X	
6C	Develop training program			X	

III. Progress with respect to MEP and Measurable Goals (5.4.1)

A. MEP

Of the [24] BMPs that comprise our storm water management program in the six minimum measures, we have accomplished Year 1 milestones for [3 of 24]. This does/ does not represent substantial progress in achieving the statutory goal of reducing the discharge of pollutants to the MEP.

B. Measurable Goals

Of the [24] BMPs shown above, we have accomplished Year 1 milestones for [3 of 24]. This represents progress towards achieving the measurable goals identified in our original NOI and in this annual report. For the measurable parameters/goals we have been able to track for this past year, the measurements are recorded in Part IX.

Signed

Dated

Printed Name and Title

Mayor, Town of Smyrna

IV. Results of Information Collected and Analyzed (5.4.2)

Parameter	Relevant BMP or Purpose of Info.	Conclusions
Monitoring is not in NOI, so it is not a required element of this annual report.		

V. Planned Activities and Proposed Changes to the SWMP (5.4.3 & 5.4.4)

A. Storm water activities planned for next reporting cycle

BMP Code	Title / Name of BMP	Milestone for next reporting cycle
1A	Develop posters, mail-outs, radio ads, newsletter, & newspaper articles	March 2005
1B	Enhance webpage with information as it develops in committee meetings, ordinances	June 2005
1C	Create database system for response & corrective action	March 2005
1D	Establish one public storm water seminar per year	June 2005
2A	Develop/approve municipal storm water ordinance	December 2004
2B	Establish municipal storm water ordinance enforcement procedures	March 2005
2C	Conduct public meetings to review annual report	June 2005
2D	Involve community service work program instream clean-up program	March 2005
3A	Through Planning Commission, Council adopts storm water ordinance-illicit discharge	December 2004
3B	Screen 20% of outfalls & coordinate with inventory mapping effort	June 2005
3C	Develop database for reporting & identifying recurring problem areas	June 2005
3D	Inventorying/mapping 50% & database established	June 2005
4A	Via Planning Commission, Council adopts storm water ordinance-construction site runoff	December 2004
4B	Via Planning Commission, Council adopts storm water ordinance-construction site runoff review, approval, & recording procedures	December 2004
4C	Advisory committee develops storm water management manual-construction site runoff consistent with ordinance	June 2005
4D	Begin monthly construction site inspections	January 2005
4E	Planning Commission recommends enforcement program to Council for adoption	December 2004
5A	Via Planning Commission, Council adopts storm water ordinance-post construction	December 2004
5B	Via Planning Commission, Council adopts storm water ordinance-post construction review, approval, & recording procedures	March 2005
5C	Advisory committee develops storm water management manual-post construction consistent with ordinance	June 2005
5D	Advisory committee develops admin. policies & structural maintenance requirements	March 2005
6A	Develop/implement standard operating policies, procedures, reports, & database	March 2005
6B	Implement routine storm water pollution prevention program for Public Works Dept.	June 2005
6C	Implement training program for all departments, including Streets, Parks, golf, WWTP, WTP, vehicle shop, town hall, etc.	June 2005

Additional, significant activities planned for the next reporting cycle are noted below.

Activity	Summary Description	Purpose
Assist the Project WET effort	Promote involvement of teachers & administrators in Project WET	To have as many teachers in Town of Smyrna located schools participate in the Project WET training workshops at the earliest time possible
Assist in post Project WET efforts	Coordinate with all school principals & designated teachers to develop during & after school activities/projects	To heighten the awareness & ownership of water quality & ecologic preservation of as many teachers, administrators, students, & parents as possible
Stream surveys	Walk/navigate Stewarts Creek & one tributary to inventory all illicit discharges, unstable banks, and debris collection areas	To learn where remediate actions need to occur first.
Build corporate partnerships	Reach out to Nissan, Walmart, & airport authority	To improve relations between entities, improve public outreach, & to develop BMPs to reduce impact to 303(d) listed streams
Build citizen partnerships	Reach to all citizens through a wide array of media & venues	To improve their understanding of what needs to be done as well as heighten their participation level in remediative actions
Establish outdoor classrooms	Work with all schools/PTOs to learn what problems lie along greenway & how schools can adopt the required remediative action as projects	To heighten the awareness & ownership of water quality & ecologic preservation of students, teachers, administrators, & parents
Establish educational signage along greenways	Work with Parks to establish a network of educational signage modeled after Cane Creek City Park in Cookeville	To heighten the awareness & ownership of water quality & ecologic preservation of students, teachers, administrators, & parents
Establish outdoor quarterly forums	Work with Parks & environmental & conservation agencies to establish a series of outdoor presentations for the public along our greenways	To heighten the awareness & ownership of water quality & ecologic preservation of all citizens whether young or old, tall or small
Establish storm drain stenciling program	Work with citizen group, schools, churches, et al to establish a town-wide effort to stencil/label all storm drains	To heighten the awareness & ownership of water quality & ecologic preservation of all citizens whether young or old, tall or small

B. Proposed changes to storm water management program

Change to Program	Summary Description	Rationale
None, at this time. Just keep doing the best we can.		

VI. Water Quality Controls for Discharges to Impaired Waterbodies (3.1.2)

Stream Name	Pollutants	Priority BMP 1	Priority BMP 2
Olive Br. TN05130203 010-0200	Siltation Habitat Alteration	Construction Site Runoff Controls (silt fences, hay bales, check dams, ponds)	Education / Outreach
Rock Springs Br. TN05130203 010-0900	Siltation Habitat Alteration	Construction Site Runoff Controls (silt fences, hay bales, check dams, ponds)	Education / Outreach
Stewarts Cr. TN05130203 010-1000	Siltation Habitat Alteration	Construction Site Runoff Controls (silt fence, hay bales, check dams, ponds)	Education / Outreach

Permit Requirement	Waterbody Name Pollutant of Concern	Waterbody Name Pollutant of Concern
TDEC has not promulgated any TMDLs in the	Stones River watershed.	

VII. Protection of Listed Threatened or Endangered Species (3.2)

Evaluation criteria	Yes/No	Notes
Vascular Plant*		
<i>Ammoselinum popei</i> / Pope's Sand-parsley	Yes	Threatened
<i>Arabis hirsuta</i> / Western Hairy Rockcress	Yes	Threatened
<i>Astragalus tennesseensis</i> / Tennessee Milk-vetch	Yes	Special Concern
<i>Leavenworthia exigua</i> / Glade-cress	Yes	Special Concern
<i>Phlox bifida</i> / Glade Cleft Phlox	Yes	Threatened
<i>Schoenolirion croceum</i> / Yellow Sunnybell	Yes	Threatened
<i>Talinum calcarticum</i> / Limestone Fame-flower	Yes	Special Concern
Vertebrate Animal*		
<i>Chondestes grammacus</i> / Lark Sparrow	Yes	Threatened

* This table was taken directly, without change, from the TDEC-Division of Natural Heritage website, Smyrna quadrangle.

Signed

Dated

Printed Name and Title

Mayor, Town of Smyrna

VIII. Explanation of Amended or Replaced BMPs (from Part I)

BMP Code:	BMP:
1A	Coordinate with Rutherford County and possibly Murfreesboro, then seek approval from Schools Superintendent to participate in Project WET beginning early 2005.
1B	Add storm water information to website
1C	Establish phone line & tracking system
1D	Prepare Year-1 annual report w/hearing
2C	Conduct annual report public meeting
2D	Hold stream clean-up days
3B	Set up screening/inspection procedures
3C	Establish hotline & complaint tracking
3D	Develop mapping plan & ID outfalls
4A	SWAC develops draft ordinance-runoff
4B	SWAC develops draft procedures
4C	Review existing BMP publications
4D	Develop construction site inspections
4E	SWAC develops enforcement procedure
5A	SWAC develops draft ordinance-post
5B	SWAC develops draft procedures-post
5C	Review existing BMP publications
5D	Develop manual for admin. & structure
6A	SWAC develops draft ordinance-MPP
6B	Develop routine maintenance program
6C	Develop training program

IX. Tracking of measurable goals

BMP Code	BMP Title	Measurable parameter	Result	Goal
NAY	Not applicable yet			