

TRANSPORTATION AND NATURAL RESOURCES

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November 8, 2013

Ms. Rebecca Villalba, Team Leader
Texas Commission on Environmental Quality
Storm Water and Pretreatment Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087

Ms. Carolyn Runyon, Water Program Manager
Texas Commission on Environmental Quality
Region 11 Office
P.O. Box 13087
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for Travis County MS4
TPDES Permit Number TXR040327

Dear Ms. Villalba:

This letter serves to transmit the Year 6 Annual Report for the Texas Pollutant Discharge Elimination System (TPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit, Authorization Number TXR040327 for the Travis County MS4. The Year 6 Report consists of the on-going BMPs performed in the one year period from August 13, 2012, the end of the first five-year SWMP plan and permit term, to August 12, 2013.

In addition to the Travis County Transportation & Natural Resources Department (TNR), other Travis County departments performing key SWMP activities include: the Travis County Attorney's Office Environmental Crimes Unit, the Austin/Travis County Health and Human Services Department (ATCHHSD) Environmental and Consumer Health Unit, the Texas AgriLife Extension Office in Travis County, the Travis County Sheriff's Office Environmental Crimes Unit, and the Travis County Department of Emergency Services.

As required by the general permit, a copy of this submittal is also being given to the TCEQ's regional office in Austin, Texas.

Sincerely,

Steven M. Manilla, P.E., County Executive
Transportation & Natural Resources Department

Enclosure – SWMP Year 6 Annual Report

**Storm Water Management Program (SWMP) Annual Report Year 6
Travis County, Transportation & Natural Resources Department**

A. General information

1. Permit No. TXR040327
2. Annual Reporting Period: August 13, 2012 through August 12, 2013
3. Name of MS4 Permittee: Travis County
4. SWMP Contact/Phone: Dave Fowler, 512-854-7590
5. Mailing Address: Travis County TNR, P.O. Box 1748, Austin, Tx., 78749
6. Email: dave.fowler@co.travis.tx.us
7. The Travis County MS4 is currently relying on the following other government entities to satisfy some permit obligations:
 - a. The City of Austin performs construction and post-construction review and inspection requirements (MCMs 4 and 5) in the Austin 5-mile Extra-Territorial Jurisdiction (ETJ) for subdivision construction under an existing jointly-adopted County Code Chapter 30 and One-Stop Shop Permit Center. Austin also performs these activities on non-subdivision construction sites in their ETJ as part of their TPDES Phase I storm water program. The City performs limited IDDE spill response in the ETJ and inspection of all commercial post-construction BMPs and most residential BMP post-construction BMPs in their ETJ. An Interlocal Agreement (ILA) approved in 2011 between Travis County and City of Austin for comprehensive SWMP coordination describes joint roles and responsibilities in the ETJ.
 - b. The Lower Colorado River Authority (LCRA) performs joint construction and post-construction plan review requirements (MCM 4 and 5) with Travis County in the Highland Lakes Watershed Ordinance area in western Travis County under a 2010 Interlocal Agreement between the County and LCRA. Travis County performs the construction inspection component in this area and LCRA is responsible for the post-construction BMP inspections.
 - c. The TCEQ Edwards Aquifer Protection Program performs construction and post-construction review and inspection requirements (MCM 4 and 5) on construction projects in the Barton Springs Segment of the Edwards Aquifer Recharge Zone and Edwards Aquifer Northern Segment. This program also performs these requirements on construction sites 5 acres and greater in the Barton Springs Edwards Aquifer Contributing Zone.
8. A copy of this annual report has been submitted to the TCEQ Regional Office.

B. SWMP Modifications and Additional Information

1. Changes to the approved SWMP in Permit Year 6
 - a. No changes to BMPs, measurable goals, dates, contacts, procedures or details were made during Permit Year 6
 - b. No BMP additions or substitutions were proposed or made during Permit Year 6
2. The MS4 has not annexed any lands since obtaining permit coverage. 1,917.75 acres were removed from the County MS4 through annexation into various municipal city limits during the Permit Year 6.
3. No receiving water body is newly listed as impaired on the EPA-approved 303(d) List and no EPA-approved TMDLs have been established during Permit Year 6.
4. The MS4 has not conducted any analytical monitoring of storm water quality.

C. Narrative Provisions

1. Compliance with Permit Conditions
 - a. Travis County is currently in compliance with the SWMP as submitted and approved by TCEQ, including the proposed changes submitted and described herein.
 - b. Travis County is currently in compliance with record keeping and reporting requirements for the SWMP. Each section performing BMPs maintains records and the SWMP core staff maintains comprehensive SWMP information.
 - c. Travis County meets the eligibility requirements of the permit for TMDL requirements, Edwards Aquifer limitations, compliance history, etc.

2. General assessment of the appropriateness of the selected BMPs:

The County believes all the BMPs selected in the SWMP are appropriate for achieving the statutory goal of reducing the discharge of pollutants to the Maximum Extent Practicable (MEP) over the Permit Term.

3. Progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summary of information used to evaluate reductions in the discharge of pollutants:

The County made satisfactory progress towards the goal of reducing the discharge of pollutants to the maximum extent practicable (MEP) during the Permit Year. The County evaluates progress towards this goal primarily by the successful performance of the BMPs and measurable goals listed in the SWMP. The County completed all BMP measurable goals for Year 6.

4. General evaluation of the program's progress, including obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.

The County made acceptable progress implementing the SWMP during the Permit Year, with the successful completion of another year of all existing and ongoing BMPs beyond the first five-year SWMP period. Key improvements to SWMP administrative systems achieved during the Permit Year include:

- 1) Adoption of a dedicated annual budget, contract, and software tracking system for on-going inspection and maintenance of post-construction storm water ponds, and
- 2) Integrating SWMP construction and post-construction storm water review and inspection programs into a new web-based software system for County development permits.

Obstacles and challenges include:

- Implementation of inter-local agreements (ILAs) with other governmental authorities in the MS4 significantly enhances successful performance of the SWMP but requires voluntary mutual agreement and coordination with other autonomous government agencies. The County has approved ILAs with the City of Austin ETJ and the LCRA, and will continue the goal of executing ILAs with select smaller municipal ETJs and Special Districts (MUDs and other Small MS4s) where mutually agreeable and feasible. An ILA with the City of Pflugerville was executed on September 11th, 2012.
- Training and overseeing existing non-SWMP program staff to adequately perform SWMP tasks is time consuming and challenging for the core SWMP staff and the organization's personnel resources and budgets. This includes continuing development of comprehensive written technical standards, staff procedures, and tracking systems to most effectively perform and document the SWMP tasks.

5. Construction activities that occurred within the Travis County MS4 during the Permit Year 6, via NOIs and CSNs provided by Construction Site Operators. These are activities by operators other than Travis County.

Travis County Development Permits issued for MS4 construction activities – Permit Year 6 (Includes Austin 5-mile ETJ and Non-Austin ETJ areas)			
Type of Permit	Total Permits	Total 1 acre or greater	NOI/CSN received
Residential, miscellaneous	58	21	100%
Residential, in a subdivision (part of common plan of development)	1757	0	100%
Non-Residential, Site Development	152	132	100%
Non-Residential, Subdivision	19	19	100%
Totals	1986	172	100%

The Table above shows the development permits issued in Permit Year 6 for construction activities within the MS4. Please see related report information in Tables 4 and 5, Pages 11-12.

6. Travis County utilizes the 7th MCM for its' municipal construction activities. Please see MCM Table 7 on Page 14 for a comprehensive summary of County construction activities.

a. The number of municipal construction activities authorized under this general permit: 4

b. The total number of acres disturbed for these municipal construction projects: 73.22

7. Requirements for specific Minimum Control Measures (MCMs):

a. MCM 1 – Public Education and Outreach. Documentation of activities conducted and materials used to fulfill the requirements in Permit Year 6 are attached at the end of this Report and include:

- TCTV Water Quality Programming Summary Descriptions, Year 6
- TCTV Water Quality Programming Broadcasts, Monthly Breakdown, Year 6
- Watershed Sign Installation Locations and Quantities, Year 6

The SWMP Web Site can be viewed at:

https://www.co.travis.tx.us/tnr/stormwater_management_program/

Additional Public Education documentation used in Year 6 which was previously provided in the Year 2 and 3 Annual Reports includes: Grow Green Fact Sheet, watershed sign format, driveway permit brochure, construction outreach brochure, OSSF outreach brochure, storm drain inlet marker, and industrial site outreach materials.

b. MCM 1 – Public Education and Outreach. Documentation of the amount of BMP resources used to address each required group - residents, visitors, public service employees, businesses, commercial/industrial facilities, construction site personnel, are as follows:

BMP Resources	Groups addressed
Grow Green Program	residents, businesses, commercial facilities
OSSF Outreach	residents, businesses, commercial/industrial facilities
Science Education Outreach	residents - adults
Watershed Signs	all groups
Construction Outreach	County development permit applicants, construction site personnel and Trade Associations
TCTV	all groups
SWMP Web Site	all groups
Storm Drain Inlet markers	residents

c. MCM 3 – Illicit Discharge Detection and Elimination (IDDE). Travis County adopted a revised list of allowable non-storm water discharges in Year 5 which are included in Chapter 104 of the Travis County Code, entitled Prohibited Discharges; Enforcement. No changes to this list were made in Year 6.

8. Proposed changes to the SWMP in the coming reporting year.

There are no proposed changes to the existing BMPs in the upcoming Year 7 starting August 13, 2013, until a new proposed five-year SWMP is submitted.

9. Describe any activities planned for the next permit year/reporting cycle.

In the upcoming year beginning August 13, 2013, (Year 7) the County will continue to perform the ongoing storm water BMP activities listed in the SWMP Tables on Pages 7-14, until the Small MS4 General Permit is re-issued by TCEQ. Then, in consideration of the new requirements, a new SWMP 5-year plan for the second permit term will be submitted to TCEQ for approval.

D. Storm Water Management Program Status – BMPs and Measurable Goals

The following Tables 1-7 on Pages 7-14 contain the Minimum Control Measures, Best Management Practices, Major Tasks, Measurable Goals, and Due Dates from the approved SWMP document. The Year 6 BMP Measurable Goal results and status have been added in bold and shaded in these Tables.

Miscellaneous BMPs and tasks performed during the Permit Year which were not listed as scheduled tasks in the approved SWMP are listed at the bottom of each MCM Table as **Unscheduled Activities**.

Table 1
MCM 1 - Public Education and Outreach BMPs Year 6 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
Existing BMPs				
Grow Green Program	Continue educational program support of City of Austin Grow Green Program.	Total number of educational programs and publications distributed annually. Total educational program events - 2 Total fact sheets distributed – 25,000 Total adapted plant guides distributed - 6,500 Total program contacts - 200 Total contact hours - 400	Years 1-5	Texas A&M AgriLife Extension Office in Travis County
OSSF Outreach	Perform training sessions for OSSF operators and respond to public inquiries for OSSF	Total number of training sessions conducted, inquiries responded to annually. Training sessions- 1 Inquiries response – 385	Years 1-5	TNR (Stacey Scheffel)
	Develop OSSF Brochure for distribution at TNR Permit Center	Complete Activity OSSF Brochure completed, Year 3	Year 3	
	Distribute OSSF Brochures	Brochures distributed annually - 450	Year 5	
Water Conservation & Quality Programs Outreach	Continue educational and outreach presentations to adult audiences on water-related topics/issues. (Note: Changed this BMP name and major task in Yr 5 - NOC #4)	Total number of education sessions and service hours performed annually. Total educational program sessions - 135 Total program contacts - 4,804 Total contact hours - 7,138	Years 1-5	Texas A&M AgriLife Extension Office in Travis County
New BMPs				
Watershed Signs	Develop a location plan for watershed signs and select 15 locations for sign placement	Complete Activity Completed Year 1	Years 1-2	TNR (David Kemp)
	Adopt standard sign format.	Complete Activity Completed Year 2	Years 1-2	
	Produce signs in County Sign Shop, install, and maintain	Install 5 sign locations by Year 3, 10 by Year 4, 15 by Year 5 - 5 locations with 10 signs installed	Year 3-5	
Construction Outreach	Receive input from stakeholder groups about types of materials, topics, of most benefit to them for consideration in selecting materials	Complete Activity Activity completed Year 3 - Four primary local trade groups contacted for opportunity for Surveys received: 10	Year 3	TNR (Dave Fowler, Stacey Scheffel)
	Select materials, develop brochures for erosion and sediment control and driveway permits	Complete Activity Driveway Brochure completed Year 2 ESC Brochure completed Year 3	Year 3	
	Provide brochures and staff guidance to development permit applicants in TNR Permit Center	Record totals annually – Brochures distributed: Driveway Brochures: 601 ESC Brochures: 127 Brochures distributed from kiosk: 58 Permit counter inquiries responded to: 451	Years 3-5	
Travis County TV (TCTV)	Review and select materials and develop a broadcast plan/schedule.	Complete Activity Completed Year 2	Years 1-2	ITS Media Services Program (Al Jackson) TNR (Amanda Celso)
	Broadcast TCTV Program Plan a minimum of 2 hours per month.	Record totals weekly, monthly, annually - hours and number of broadcasts, with general description of topics. 31 programs; 8,736 bcasts; 494.37 hrs	Years 3-5	
SWMP Web Site	Develop an SWMP Web Site Plan including a list of topics and maintenance schedule.	Complete Activity Completed Year 2	Years 1-2	ITS (Susan Verhoef) TNR (Amanda Celso)
	Design and publish the website to the internet as part of the existing Travis County website	Complete Activity Completed Year 3 - Web Site published	Year 3	
	Maintain and update web site, including posting new information and topics in accordance with the maintenance schedule.	Record totals annually - number of web site sign in and/or hits using log or hit counter. Web site views – 4,105	Years 3-5	
Unscheduled Activities for MCM 1 performed during the Permit Year:				
<ul style="list-style-type: none"> • 1 Educational Session with 393 youth and 24 adults program contacts, and 2,502 contact hrs for the Texas A&M AgriLife Water Conservation and Protection Education Program for urban youth • SWMP staff participated in 2 educational efforts: Austin Water Science Expo for between 1000-1500 regional middle school students 4/30/13 & 5/1/13, and the Strong Starts Urban Development Presentation for 25 urban farmers on 7/16/13 at the County East Service Center 				

Table 2
MCM 2 – Public Involvement and Participation BMPs Year 6 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
Existing BMPs				
Community Storm Water Initiatives	Continue participation in any ongoing efforts by the Regional Water Quality Protection Plan (RWQPP), LCRA Lake Travis Stakeholders, SW Growth Dialogue.	Record totals annually – meetings attended and activities participated in, milestones achieved RWQPP – 7 meetings	Years 1-5	TNR (Jon White, Dave Fowler, Tom Weber)
	Continue participation in the Onion Creek, Walnut Creek, and Highland Lakes Flood Damage Evaluation Projects (FDEPs), Colorado River Floodplain Coalition (CRFC), the TMDL Implementation Task Force for Gilleland Creek.	Record totals annually – meetings attended activities participated in, milestones achieved Gilleland TMDL – 1 Public Meeting Onion Ck FDEP – 2 meetings, Study/Report complete; now in design Walnut Ck FDEP – 0 meetings, Study complete Highland Lakes FDEP – 1 meetings CRFC – 2 meetings	Years 1-5	TNR (S Scheffel, Tom Weber)
	Complete the T. County Drainage Basin Study and give County residents in flood prone areas the opportunity for input.	Complete Final Report. Total public participation meetings/total public inquiries. Completed Year 2	Years 1-2	TNR (Steve Schiewe)
Open Space Acquisition	Continue to provide opportunities for landowner participation in buyout of floodplain land by the county	Record total annually – floodplain acres purchased, costs Acres- 578.219 Costs - \$4, 303,040	Years 1-5	TNR (S Scheffel, M Mallia)
Compiled by Donna Williams-Jones, TNR Financial Services	Continue to provide opportunities for landowner participation in Balcones Canyonlands Preserve (BCP). Continue purchase of required acreage for BCP	Record total annually – acres purchased by private participants, costs; acres purchased for the BCP by the county, costs Acres- 87.197 Costs- \$8,764,917 (County)	Years 1-5	TNR (Donna Williams-Jones)
	Continue to provide opportunities for parkland and open space acquisition by County via voter bonds or other means.	Record total annually – acres purchased, costs **Parkland Acres- 0 **Costs- 0 **NOTE: all floodplain acreage and costs reported above will be future County parkland	Years 1-5	TNR (Charles Bergh)
Household Hazardous Waste Collection	Continue financial participation to support the City of Austin Household Hazardous Waste Collection Program.	Record totals annually - County financial contribution and County residents participating County Contribution- \$110,000 Participants- 2,249	Years 1-5	TNR (Shaun Auckland)
Adopt-a-Road and Volunteer Projects	Continue assistance to volunteer groups in county roadside cleanup, including signs, trash bags and trash pickup	Record total annually – clean up events, signs installed, bags/ amounts of trash disposed of Volunteer participation projects- 1: Lake Travis underwater cleanup on 9/23/12 - 952 participants – 3.61 tons of trash cleaned up	Years 1-5	TNR (various)
Parks and BCP Participation Projects	Continue opportunities for volunteers to participate in Parks and BCP clean-up, restoration, tree planting, etc	Record total annually – events and type, quantities of trees planted, trash disposed of, etc. American Youth Works (AYW) restoration and clean-up work in County Parks – 75 crew days	Years 1-5	TNR (Dan Chapman-Parks)
New BMPs				
Public Notice for SWMP activities	Comply with all public notice legal requirements for SWMP implementation.	Record totals annually – Commissioners Court Agenda items, newspaper or internet notices posted. Agenda Items – 3 - Ch 82 Code, Pflugerville ILA; Sunset Valley ILA	Years 1-5	TNR (Tom Weber, Dave Fowler)
Codes and Standards Development	Provide opportunity for County stakeholders to participate in Code and technical standards revisions for SWMP	Record and document number of meetings and comments received, annually.	Years 1-5	TNR (Tom Weber, Dave Fowler)
Storm Drain Inlet Marking	Provide opportunity for volunteer groups to initiate participation projects to install storm drain inlet marker, with County assistance (materials, technical guidance) as resources allow.	Record totals annually – projects and inlet markers installed. Inlet Markers Installed – 22	Years 1-5	TNR (COA Watershed Protection)

Unscheduled Activities for MCM 2 performed during the Permit Year:

- \$30,000 contributed to the City of Austin Keep Austin Beautiful organization for environmental education /clean-up
- Additional Commissioners Court SWMP-related Agenda Items (9); Austin Area TMDL I -Plan Coordination Committee and Subcommittee meetings (16); City of Austin Watershed Ordinance development meetings (10); Regional/State LID Initiative meetings(8); Misc. other water quality participation/education meetings (6)

Table 3A
MCM 3 – Illicit Discharge Detection and Elimination (IDDE) BMPs - Existing BMPs
Year 6 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
On-Site Sewage Facility (OSSF) Permit Program	Review, permit, and inspect new and upgraded OSSF systems in the county MS4.	Record totals annually – Permit applications reviewed, permitted, inspected, issued final approval. OSSF Permits reviewed/given final approval- 541/562 OSSF Permit total inspections – 1,623	Years 1-5	TNR (Stacey Scheffel)
	Monitor aerobic and commercial OSSF systems requiring maintenance contracts and maintenance reports provided to the County	Record totals annually – Total OSSF system maintenance contracts, including commercial systems, monitored annually Total OSSF maintenance contracts monitored- 3,877, including 97 commercial systems	Years 2-5	
	Receive, investigate, and resolve complaints of improper operation and maintenance of OSSF systems, maintenance contracts, or sewage discharge.	Record totals annually – complaints investigated, resolved, or referred to enforcement Total sites investigated-127 Resolved without NOV – 68 NOVs issued - 59 Referred to legal enforcement (County Atny)- 17	Years 1-5	
Travis County Dumping Committee (TCDC)	Continue to participate in monthly TCDC meetings, activities, and provide meeting facilities for the Committee.	Record totals annually - meetings held and participated in. Meetings held/participated- 9	Years 1-5	TNR (Mickey Roberts) County Attorney
Regional Environmental Task Force (RETF)	Continue participation in RETF quarterly meetings and training efforts.	Record totals annually - meetings and training sessions participated in. Meetings – 4 Training sessions held- 3	Years 1-5	TNR (Mickey Roberts) County Attorney
Roadside Litter Abatement	Continue existing program to remove litter from county roadsides and properly dispose at landfills.	Record totals annually – miles of roadsides cleaned; work orders; cubic yards waste disposed Roadside Miles- 1,869.06 Work Orders- 927 CY Waste- 4,156 (953,000 lbs)	Years 1-5	TNR (Road Maintenance)
Auto Salvage Yard Ordinance Program	Review Code Ch 49 standards and revise to meet IDDE requirements as necessary.	Complete activity. Review completed Year 2. Code determined adequate to implement IDDE Program.	Years 1-2	ATCHHSD TNR
	Continue program to inspect and respond to complaints for auto salvage yards, junkyards, and metal recyclers	Record totals annually - inspections/ compliant within 30 days/ referred for enforcement Inspections- 2 (complaint response) Compliant/Referred-2	Years 1-5	ATCHHSD (Gwen Meighan)
Spill Response	Review, revise existing procedures and agreements for spill response as necessary	Complete Activity. Review and revisions completed Year 2	Years 1-2	TNR(Shaun Auckland)
	Continue to respond to haz-mat spills and dumping per adopted procedures and agreements	Record totals annually - spills or dumping responded to/remediated; in right-of-way (ROW) or private lands; referred for enforcement ROW Haz-Mat Illegal Dumping Responses- 20; all successfully responded/remediated	Years 1-5	Emergency Services (Preston Doege) County Attorney
Nuisance Abatement Program	Continue program to inspect and respond to complaints for rubbish, litter, and junked vehicles in the County MS4 under County Code Chapter 61.	Record totals annually - inspections/ compliant within 30 days/ referred for enforcement Total Inspections-544 Compliant-554 (including some previous cases) Referred-26	Years 1-5	ATCHHSD (Gwen Meighan)

Table 3B MCM 3 – Illicit Discharge Detection and Elimination (IDDE) BMPs - New BMPs
Year 6 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
IDDE Program	Adopt regulations and/or regulatory mechanisms for IDDE program; Revise Code Enforcement Policy and Procedures as necessary for IDDE efforts	Complete Activity Completed adopting regulatory mechanisms and revising enforcement policy and procedures for IDDE program -Year 2	Year 1-2	TNR (Jonas Rosenthal) County Attorney
	Develop and implement an IDDE response plan identifying the primary first response jurisdiction and contacts for MS4 areas	Complete Activity Completed IDDE response plan by revising existing protocols - Year 2	Year 1-2	TNR (Jonas Rosenthal)
	Review/revise existing county IDDE contact points as necessary and designate lead staff for IDDE complaint response	Complete Activity Completed revising IDDE contacts points and response protocols between TNR Env. Investigator, C. Attorney, TCSO, ATCHHSD, and TNR OSSF -Year 2	Year 1-2	TNR Travis County Sheriff's Office (TCSO) County Attorney
	Investigate/inspect and resolve illicit discharge complaints	Record totals annually -Complaints received, investigated, referred to others, resolved, enforced	Years 2-5	All
		Illegal Dumping Enforcement Sites investigated – 231 Sites cleaned- 197	Years 2-5	TCSO Env. Crimes Unit
		Illegal Dumping Enforcement Total Sites Investigated/cleaned up– 319/86; Waste removed – 177, 335 lbs.	Years 2-5	County Attorney Env. Crimes Unit (Dennis Rudder, Doug MacDougall)
Non-criminal IDDE response Complaints received/investigate 56/56 Resolved- 52 Legal Enforce- 2		Years 2-5	TNR (Jonas Rosenthal)	
	Miscellaneous Illicit Discharges investigated/ total inspections – 0		SWMP staff	
Industrial Site Monitoring and Outreach	Maintain inventory, conduct on-site evaluations, and provide technical assistance of industrial sites. Minimum effort shall include the mailing of outreach materials to known industrial operations in Years 3 and 4, 50 site evaluations in Year 3 and 75 evaluations in each of Years 4 and 5. Outreach material mailings will also be reported in Public Education MCM.	Complete inventory Completed basic inventory of permitted TCEQ Industrial Sites. Selected Outreach Materials and began distribution – Year 2.	Years 1-2	TNR (Jonas Rosenthal)
		Maintain inventory and perform outreach on 30% of sites by Year 3, 60% by year 4, 100% by Year 5. Outreach material completed Year 5 Additional outreach materials added to website Industrial site evaluation inspections – 61	Years 3-5	
	Review new and redeveloping Industrial Sites through TNR Development Permit Center to ensure compliance with applicable industrial storm water regulations.	Record totals annually - new or redeveloping industrial sites reviewed and issued county development permits. New Industrial Sites reviewed/permitted through TNR Dev Permit process – 1/0	Years 2-5	TNR (Dave Fowler, Jonas Rosenthal, David Peyton, Tom Weber)
	Develop/ implement system to respond to industrial site complaints, including direct response or referral to TCEQ or other.	Record totals annually - complaints received, investigated, referred, resolved Ind. Site Complaints received/invest. – 7/7 Referred-0 Resolved- 6 Legal Enforce- 0	Years 2-5	TNR (Jonas Rosenthal)
		Miscellaneous Indus. sites/total inspections - 0		SWMP staff
MS4 Map	Develop base MS4 GIS map.	Complete activity. Completed Year 1.	Year 1	TNR
	Develop and implement system to maintain and update MS4 Map for municipal annexations, development permits, county construction activities, etc.	Complete activity. Update and maintain map. Record total acres removed from county MS4 through annexation annually. Completed Year 1.	Years 1-2	(Amanda Celso, David Kemp, David Peyton, Arester Randle)
	Perform Outfall Reconnaissance Inventory (ORI) inspections to document structures, BMPs, and outfalls and complete MS4 Map.	Record totals annually - structures and outfalls added to MS4 Map. Complete 25% by Year 2, 50% Year 3, 75% Year 4, 100% Year 5. Total Structures added/verified -311 Outfalls added (included in above total) – 16 Total MS4 drainage structures – 15,175*, % MS4 structures estimated mapped- 100%	Years 1-5	

*15, 175: Bridges- 213, C. Pipes- 715, Culverts- 3,298, Inlets- 6,895, Outfalls- 1,214, Outlets- 322, Channels- 598, Manholes- 1,370, Ponds -333, Vaults – 15, Bioretention – 24, Surface Veg Controls- 155; Misc BMPs – 22, Buffer Zones - 1

**Table 4
MCM 4 – Construction Site Storm Water Runoff Control BMPs Year 6 results shaded in bold**

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
Existing BMPs				
Development Complaint Hotline	Review existing points of contact, procedures, response criteria, public advertising and revise as necessary	Complete activity. Completed Year 1.	Year 1	TNR Dev. Services
	Continue operation of phone hotline (for construction-related storm water complaints on County development permits).	Record number of inquiries received/responded to/referred to enforcement Inquiries-269 Resolved/referred- 241/121	Years 1-5	NREQ SWMP
New BMPs				
SWP3 Regulations	Finalizing interim water quality rules for Non-ETJs areas, including adoption of SWP3 regs for subdivision/non-subdivision construction.	Complete activity Activity completed.	Year 4	TNR Dev. Services
	Revise 1990 Interlocal Agreement with LCRA for Non-ETJ areas subject to the Highland Lakes Watershed Ordinance, incl. SWP3 requirements for subdivision and non-subdivision construction.	Complete activity. Activity completed Year 5	Year 3	NREQ SWMP
	Implement Interlocal Agreements or other mechanisms with SWP3 requirements for subdivision and non-subdivision construction, for municipal ETJs with largest populations.	Complete activity NOC revised completion to Year 4 activity completed Year 4	Years 1-3	Dave Fowler, Tom Weber
	Implement Inter-local Agreements (ILAs) or other mechanisms with SWP3 and Post-Construction requirements for subdivision and non-subdivision construction, for select municipal ETJs, based upon need or to improve efficiency.	Record number of Inter-local Agreements (ILAs) executed each year and the parties to each agreement. ILA Completed – 1 (Pflugerville)	Years 3-5	
Permit Application and Plan Review	Develop and implement a Development Permit Checklist review system for 100% of permit applications which includes SWP3 regulations requirements.	Complete and implement Checklist. Checklist implemented May 2009	Year 2 5.1.09	TNR
		Require Checklist -100% of permit applications. Total Applications/Total reviewed w/Checklist • Non-Residential – 171 (100%) • Residential-1,815 (100%)	Year 3	Dev. Services review
		Document Storm Water Notice compliance on 25% of eligible permit applications by (end of) Yr 2, 50% by Yr 3, 75% Yr 4, 100%Yr 5. Eligible Permits Documented -100%	Years 2-5	
	Develop and implement a plan review system for SWP3 requirements for all projects. Review 95% of all projects 5 ac or greater Yr 3; 95% of all 3 ac or greater Yr 4; 95% of all non-single family residential projects (SFR) and SFR over 1 ac Yr 5.	Record number of projects reviewed, permitted annually. 125 permit applications reviewed by SWMP staff (34 Austin ETJ) for SWP3/ESC compliance and permitted, including all non-residential (non-SFR) projects 1 acre or greater	Years 3-5	NREQ SWMP Dave Fowler, David Peyton
	Continue Single Office review for subdivisions in Austin ETJ and other municipal ETJs with Interlocal Agreements, which includes SWP3 review by the county or municipality.	Record number of projects reviewed, permitted annually per jurisdiction. Austin ETJ Subdivision Projects Reviewed/ Permitted- 21/5 (const review by Austin)	Years 1-5	
Inspection and Enforcement	Develop and implement an inspection and enforcement system for SWP3 requirements, including technical standards, procedures, response protocols; training for inspectors.	Complete Activity Completed SWP3 Inspection Standards Document for Development Permits -Year 2.	Years 1-2	TNR SWMP: Kemp, Peyton, Randle
	Inspect all construction projects 5 ac or greater for SWP3 requirements by Year 3; all 3 ac or greater by Year 4; all Non-SFR projects and SFR over 1 ac by Year 5.	Total inspections and sites inspected annually/% compliant/no. enforced Non-Austin ETJ – 123 projects/ 958 inspections 91% compliance/ 0 legal enforced (All non-res projects 1 acres/greater inspected) Austin ETJ – 17 projects/ 20 inspections/ 100% compliance/ 0 legal enforced	Years 3-5	Dev Sev Inspection

Unscheduled Activities for MCM 4 during the Permit Year:

- TNR Development Services received 468 SWP3 Summary Sheets (required by the 2012 County Code revisions adopted for the SWMP) for residential construction permit applications which require a SWP3.
- TNR Development Services Inspectors performed 268 ESC inspections on 127 Right-of-way permits <1 acre inside/outside Austin ETJ

Table 5
MCM 5 – Post-Construction Storm Water Management BMPs Year 6 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
New BMPs				
Post-Construction Storm Water Management Regulations and Technical Standards	Finalize interim water quality rules for Non-ETJ areas, including adoption of post-construction storm water regulations for subdivision and non-subdivision construction.	Complete activity Activity Completed Year 5	Year 4	TNR Dev. Services
	Revise 1990 Interlocal Agreement with LCRA for Non-ETJ areas subject to the Highland Lakes Watershed Ordinance, including post-construction storm water regulations for subdivision and non-subdivision construction.	Complete activity Activity Completed Year 3	Year 3	NREQ SWMP
	Implement Interlocal Agreements or other mechanisms which include post-construction storm water regulations for subdivisions and non-subdivision construction in municipal ETJs with largest populations.	Complete activity NOC revised completion to Year 4 Activity completed Year 4	Years 1-3	Tom Weber
	Implement Inter-local Agreements (ILAs) or other mechanisms with SWP3 and Post-Construction requirements for subdivision and non-subdivision construction, for select municipal ETJs, based upon need or to improve efficiency.	Record number of Inter-local Agreements (ILAs) executed each year and the parties to each agreement. ILA Completed – 1 (Pflugerville)	Years 3-5	Dave Fowler
Permit Application and Plan Review	Develop and implement a Permit Checklist review system for 100% of permit applications which includes identification of post-construction storm water regulation requirements.	Complete and implement Checklist. Checklist implemented May 2009 Year 2.	Year 2 5.1.09	TNR Dev. Services
		Require Checklist -100% of permit applications. Total Applications/Total reviewed w/Checklist <ul style="list-style-type: none"> • Non-Residential – 171 (100%) • Residential-1,815 (100%) 	Year 3	
		Document Storm Water Notice compliance on 25% of eligible permit applications by (end of) Yr 2, 50% by Yr 3, 75% Yr 4, 100%Yr 5. Eligible Permits Documented Compliance:100%	Years 2-5	NREQ SWMP
	Develop and implement a plan review system for all projects requiring post-construction storm water BMPs. Review 95% of all projects 5 ac or greater by Year 3; 95% of all 3 ac or greater by Year 4; 95% of all non-single family residential projects (SFR) and SFR over 1 ac by Year 5.	Record number of project plans reviewed, permitted annually. 125 permit applications reviewed by SWMP staff (including 34 in Austin ETJ) for post-construction compliance and permitted, including 100% of non-res (non-SFR) projects 1 acre and greater.	Years 3-5	Dave Fowler, David Peyton
	Continue Single Office review for subdivisions in Austin ETJ and other municipal ETJs with Interlocal Agreements, which includes post-construction storm water regulations review by the county or municipality.	Record number of projects reviewed, permitted annually per jurisdiction. Austin ETJ Subdivision Projects Reviewed/ Permitted- 21/5 (post-construction review by Austin)	Years 1-5	
Post-Construction BMP Inspection and Maintenance	Develop and adopt regulations and other regulatory mechanisms to ensure operation and maintenance of post-construction BMPs in the county MS4. Adopt criteria for BMP maintenance.	Complete Activity Adopted joint County/City of Austin Code Chapter 30 for pond maintenance criteria in the Austin 5-mile ETJ. – Year 3	Year 4 8.12.11	TNR Dev Sev inspection
	Adopt inspection procedures or agreements to ensure BMPs are constructed per plans Inspect all projects 5 ac or greater by Year 3; all 3 ac or greater by Year 4; all Non-SFR projects Year 5.	Total sites inspected annually/ total compliant at final inspection/ total referred to other jurisdiction 89/ 12 / 0 (non-Austin ETJ) All non-res (non-SFR) projects 1 acre and greater inspected	Years 3-5	SWMP: Kemp, Peyton, Randle
	Develop and maintain inventory of new BMPs through the ORI process in BMP 3.3.3 MS4 Map.	See BMP 3.3.3 MS4 Map and Table 3B. On schedule with MS4 Map/ORI	Years 2-5	
	Monitor completed BMPs in the MS4 per adopted criteria. Inspect and conduct follow-up and enforcement with responsible parties as necessary.	Total BMPs inspected/ Total given notice for maintenance required/ Total enforced annually Totals (non-County owned BMPs)- 132/ 0/ 0	Years 2-5	

**Table 6
MCM 6 – Pollution Prevention and Good Housekeeping for County Operations BMPs
Year 6 results shaded in bold**

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
Existing BMPs				
Closed County Landfills	Continue to monitor identified closed County landfills in the MS4 as necessary to maintain compliance with applicable waste and discharge regulations.	Prepare Annual Closed Landfill Status Report for County Auditor. Completed.	Years 1-5	TNR (Keith Coburn)
	Continue to maintain Hwy 290 East Closed Landfill leachate collection and disposal system via contract.	Total gallons of leachate disposed of annually to the Austin waste water system. 1,204,424 gallons	Years 1-5	
Pesticide Applicator Licensing	Continue Non-Commercial Certified Applicator Licensing and CEUs for employees using pesticides and herbicides	Record number annually – road and parks employees certified, re-certified, and taking CEUs Employees Certified/ReCert/CEUs- 24	Years 1-5	TNR (Shaun Auckland)
Environmental Health and Safety (EHS) Program for TNR Facilities	Continue EHS Plans for primary MS4 maintenance facilities, including existing and new required storm water pollution prevention BMPs for this section	Record annual compliance inspections, additional follow-up inspections, and BMP compliance status 4501 RM 620 North (West Service Center) 1 inspection, 89% compliance 6011 Blue Bluff Rd (East Service Center) 1 inspection, 61% compliance	Years 1-5	TNR (Keith Coburn, Chas Williams, Amanda Celso, David Kemp,)
New BMPs				
Good Housekeeping BMPs	Review and revise storm water pollution prevention BMPs for all areas in the existing EHS Plans as necessary.	Complete Activity Completed Year 2	Years 1-2	TNR (Dave Fowler)
	Implement revised BMPs as part of the EHS Plans	Refer to EHS Plans, above	Yrs 2-5	
Employee Training Program	Develop training program including storm water awareness, and procedures and standards for BMPs for the EHS Plans and the MS4 maintenance operations.	Complete Activity Completed Year 2	Years 1-2	TNR (David Peyton, Dave Fowler)
	Implement annual employee training.	Total employees trained annually, including 100% of employees in applicable operations. Performed 4 Annual Storm Water Pollution Prevention Training Sessions: July 10, 17, 24, 25 Parks/Road & Fleet Employees: 49/137 = 186	Years 3-5	
Structural Control Maintenance	Review and revise existing EHS Plans for structural control maintenance as necessary Complete inventory list of all County-owned structural controls associated with County roads, parks, and facilities which require maintenance.	Complete Activity Completed Year 2	Years 1-2	TNR (SWMP: Kemp, Randle, Celso Fowler) (Road, Park Maint)
	Conduct structural control monitoring and maintenance per EHS Plan and County-owned BMP inventory list.	Total County-owned structural controls inspected/maintained annually - 53/22 103 total inspections	Years 2-5	
Waste Management and Disposal	Review and revise existing EHS Plans and County Waste Management Code Chapter 111 as necessary for waste management and disposal BMPs.	Complete Activity. Completed Year 2	Years 1-2	TNR Fleet, (Shaun Auckland) (Rony Aouad Facilities Management, solid waste)
	Implement revised waste management and disposal BMPs as part of the EHS Plans.	Quantities recycled/disposed of annually: Recycled: Waste Oil– 4,536 gal Tires – 437 Antifreeze – 385 gal Oil filters-22 drums Batteries – 592 Solid waste disposal, dumpsters at Sev Centers: ESC- 1248CY WSC- 312CY	Years 2-5	
Erosion and Sediment Control (ESC) Program for Maintenance Construction	Adopt criteria for use of temp & perm. ESC BMPs on county maintenance construction activities.	Complete Activity Completed Year 2	Years 1-2	TNR (SWMP: Kemp, Randle Peyton) (Road Maintenance)
	Perform ESC BMPs on applicable maintenance construction projects and work orders per criteria	Perform BMPs on 40% of applicable work orders by Year 3, 60% by Year 4, 100% by Year 5 Applicable work orders used permanent and temporary BMPs under adopted standards	Years 3-5	

Unscheduled Activities for MCM 6 during the Permit Year:

- SWMP staff assisted 61 Road Maintenance Work Orders with temp and perm ESC BMPs.
- SWMP staff assisted with 6 Parks/BCP erosion control/restoration projects.
- NREQ and SWMP staff performed 15 additional EHS inspections of 10 additional County MS4 Facilities.

Table 7
MCM 7 – Authorization for County Construction Activities BMPs
Year 6 results shaded in bold

BMP	Major Tasks	Measurable Goals	Due Date	Responsible Party
New BMPs				
Storm Water Pollution Prevention Plan (SWP3) BMPs	Develop SWP3 compliance system to be followed on all County Construction Activities, including technical standards, plan review, and inspection/enforcement	Complete SWP3 Standards Document and implement system Completed Year 1.	Year 1	TNR (Dave Fowler, CIP)
	Review 100% of proposed County construction project plans for compliance with SWP3 Standards	Record number of project plan reviews per year Plan reviews for SWP3 – 11 CSNs issued under MS4 Permit TXR040327 to County projects starting construction within Permit Year - 4	Years 1-5	TNR (SWMP: Fowler, Peyton)
	Inspect 100% of County projects under construction for compliance with SWP3 Standards	Record number of SWP3 inspections and compliance status per project/per year. Total projects (>1ac) under construction- 6 SWP3 Inspection Reports made- 98 SWP3 Inspection Report compliance- 81% SWMP staff- SWP3 audit inspections- 16 SWP3 additional inspections - 33	Years 2-5	TNR (CIP inspection – Dan Scott, et.al.) (SWMP: Kemp, Randle, Peyton)
Post-Construction BMPs	Review 100% of construction plans and permit applications for county projects implementing post-construction BMPs	Record number of plan and/or permit application reviews on applicable projects per year. Plan reviews for post-construction storm water-11	Years 1-5	TNR (Fowler, Peyton; CIP project managers)
	Ensure 100% of county projects implementing post-construction BMPs are constructed per plans.	Record number of final inspections for post-construction BMPs on applicable projects per year. Total projects w/permanent BMPs completing final inspections – 3 (5 projects total were final inspected)	Years 2-5	TNR (CIP inspection- Dan Scott, et.al.) (SWMP: Kemp, Randle, Peyton)
	Ensure newly constructed BMPs and drainage structures on County projects are documented through the ORI process described in BMP 3.3.3 MS4 Map.	See BMP 3.3.3 MS4 Map and Table 3B in MCM 3. All accepted County BMPs and drainage structures added to MS4 Geodatabase and BMP list per MCM 3	Years 2-5	TNR (Amanda Celo, David Kemp, David Peyton, Arester Randle)

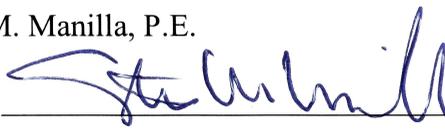
E. Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on the inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Steven M. Manilla, P.E.

Title: County Executive

Signature/Date: _____

 11/7/13

Attachments - Public Education Materials (following this Sheet)

- **TCTV Water Quality Programming Summary Descriptions, Year 6 (Pages 17, 18)**
- **TCTV Water Quality Programming Broadcasts, Monthly Breakdown, Year 6 (Pages 19-21)**
- **Watershed Sign Installation Locations and Quantities, Year 6 (Page 22)**

TCTV Water Quality Programming Summary Descriptions, Year 6:

Weather Channel/ EPA Video:

- **After the Storm** (28:00)- Three case studies focus on the interconnections between our water supplies, water quality, and the economic vitality and quality of life in our communities.

LCRA Videos:

- **Pointless Pollution: America's Water Crisis** (27:40) – ½ hour documentary hosted by Walter Cronkite on the problems posed to the nation's water supply by nonpoint-source pollution. One segment includes Lake Travis.
- **A Run Unto the Sea: The Adventures of the Abilene Boys** (56:51) – 1 hour documentary hosted by Walter Cronkite on 'The Abilene Boys', 3 retired men who recreated in 1990 a canoe trip they had taken down the Colorado River in the 30's.
- **The Water Never Got This High Before** (12:10) – A look at the Colorado River's historical tendency for catastrophic floods.
- **Clean Water: It Starts With You** (12:15) – Tips on how you can reduce the amount of pollution in storm water runoff.
- **Ready for the Next Flood** (17:00) – An inside look at LCRA's flood-management operations.
- **Blind Man's Vision** (4:53) – A brief look at Adam Johnson, who conceived the idea for what would become Buchanan Dam.
- **Innovative Storm Water Runoff Practices** (7:00) – Examines innovative storm water runoff practices.

City of Austin Videos:

- **Austin Underground** (4 chapters totaling 26:43) - Designed to provide viewers with a 'virtual field trip' into the Barton Springs Edwards Aquifer.
 - o **Geology** (8:03) - Explores the passage of water over land to the recharge zone into critical environmental features including fractures, sinkholes, and caves. It also examines the dissolution of karst limestone.
 - o **Hydrogeology** (5:24) - Explores the underground flow of water through the cave/aquifer system by means of dye trace studies, and the re-emergence of groundwater at local springs, particularly Barton Springs.
 - o **Salamander** (4:18) - Studies the aquifer and the springs as a habitat for aquatic species, including the Austin Blind Salamander and the endangered Barton Springs Salamander.
 - o **Threats/ Solutions** (8:58) - Explores threats to the aquifer (non-point source pollution).

Water Education Foundation Video:

- **Storm Water Management- Turning Runoff into a Resource** (20:00) – Explains the problem with polluted storm water, and steps that can be taken to prevent such pollution and turn it into a water resource.

Texas Parks & Wildlife Videos:

- **Texas, The State of Water** (58:00) – Examines the present state of Texas’ water sources (aquifers, rivers, and bays), and the growing demand put on those sources.
- **Texas, The State of Water: Finding a Balance** (56:46) – Explores the growing demand for water, the impact that growth will have on Texas, and how the steps we take will impact Texas’ people, wildlife and economic vitality.
 - o **Dealing with the Drought** (Special Feature) (11:49) – How Corpus Christi is working to secure water for the future.
 - o **Prescription to Burn** (Special Feature) (9:20) – Examining fire as an important tool to manage and restore natural landscapes.
 - o **Diggin’ School** (Special Feature) (9:00) – School children learn to construct a ‘Wildscape’ using native plants that require little watering.
 - o **Forests of the River Bottom** (Special Feature) (14:49) – Examination of how natural flooding cycles are an integral part of the bottomland hardwood forests.
- **Texas, The State of Flowing Water** (57:00) – Explores the importance of water for people and wildlife, examines the threat facing Texas’ water and how to protect it, and outlines steps people can take to avoid water shortages.
- **Texas, The State of Springs** (58:00) - Explores the decline of Texas’ natural springs, issues that effect spring flow, and what can be done to save these resources.
 - o **In Land We Trust** (Special Feature) (10:25) – The growing land trust movement offers new hope for threatened farm and ranch lands.
 - o **Policing Pollution** (Special Feature) (9:39) – Game wardens work to keep our water and air clean.
 - o **Last of the Bayous** (Special Feature) (9:45) – Chronicles the natural beauty of the Clear Creek area and its ecological significance.
 - o **Restoring Galveston Bay** (Special Feature) (8:25) – Challenges of reversing damage inflicted on Galveston Bay and its marshes.

Total Number of Videos- 25

City of Austin Public Broadcast Announcements:

- **Grow Green Program**
 - o Watershed Protection (00:00:15)
 - o Jamboree TV (00:00:15)
 - o Dan D. Lion TV (00:00:15)
 - o Professor Dung Beetle TV (00:00:15)
- **Scoop the Poop** (00:00:30)
- **Take care of Texas** (00:00:30)

Total Number of Public Announcements- 6

TOTAL NUMBER OF VIDEOS- 31

Monthly Breakdown of TCTV Broadcasts, Year 6:

August 2012 (13th-31st):

Total number of individual long topics broadcast- 1
Total number of individual short public broadcast announcements- 9
Total number of all programs broadcast- 10
Total hours broadcast for week4- 0:59:39
Total hours broadcast- 0:59:39

September 2012- November 2012: NO VIDEO BROADCASTS due to TV station implementing new system

December 2012:

Total number of individual long topics broadcast- 129
Total number of individual short public broadcast announcements- 839
Total number of all programs broadcast- 968
Total hours broadcast for week1- 16:29:23
Total hours broadcast for week2- 14:01:31
Total hours broadcast for week3- 18:50:22
Total hours broadcast for week4- 19:30:09
Total hours broadcast- 68:51:25

January 2013:

Total number of individual long topics broadcast- 174
Total number of individual short public broadcast announcements- 1044
Total number of all programs broadcast- 1218
Total hours broadcast for week1- 20:48:34
Total hours broadcast for week2- 15:35:51
Total hours broadcast for week3- 9:15:30
Total hours broadcast for week4- 10:29:41
Total hours broadcast for week5- 2:56:45
Total hours broadcast- 59:06:21

February 2013:

Total number of individual long topics broadcast- 158
Total number of individual short public broadcast announcements- 648
Total number of all programs broadcast- 806
Total hours broadcast for week1- 6:52:35
Total hours broadcast for week2- 14:00:18
Total hours broadcast for week3- 14:25:24
Total hours broadcast for week4- 13:52:56
Total hours broadcast for week5- 1:59:02
Total hours broadcast- 51:10:15

March 2013:

Total number of individual long topics broadcast- 174
Total number of individual short public broadcast announcements- 973
Total number of all programs broadcast- 1147
Total hours broadcast for week1- 6:51:22

Total hours broadcast for week2- 16:52:30
Total hours broadcast for week3- 13:52:33
Total hours broadcast for week4- 14:13:44
Total hours broadcast for week5- 11:19:24
Total hours broadcast- 63:09:33

April 2013:

Total number of individual long topics broadcast- 233
Total number of individual short public broadcast announcements- 1148
Total number of all programs broadcast- 1381
Total hours broadcast for week1- 2:49:51
Total hours broadcast for week2- 15:17:15
Total hours broadcast for week3- 8:55:15
Total hours broadcast for week4- 14:30:00
Total hours broadcast for week5- 14:47:10
Total hours broadcast- 56:19:31

May 2013:

Total number of individual long topics broadcast- 109
Total number of individual short public broadcast announcements- 639
Total number of all programs broadcast- 748
Total hours broadcast for week1- 12:50:02
Total hours broadcast for week2- 11:54:12
Total hours broadcast for week3- 10:29:12
Total hours broadcast for week4- 11:52:09
Total hours broadcast for week5- 7:56:32
Total hours broadcast- 55:02:07

June 2013:

Total number of individual long topics broadcast- 229
Total number of individual short public broadcast announcements- 1226
Total number of all programs broadcast- 1455
Total hours broadcast for week1- 5:47:03
Total hours broadcast for week2- 13:53:06
Total hours broadcast for week3- 10:30:50
Total hours broadcast for week4- 15:51:10
Total hours broadcast for week5- 12:30:45
Total hours broadcast- 58:32:54

August 2013 (1-12th):

Total number of individual long topics broadcast- 28
Total number of individual short public broadcast announcements- 91
Total number of all programs broadcast- 119
Total hours broadcast for week1- 7:55:36
Total hours broadcast for week2- 6:23:58
Total hours broadcast- 14:19:34

ANNUAL TOTALS:

Total number of individual long topics broadcast- 1335

Total number of individual short public broadcast announcements- 7401

Total number of video broadcasts (long + short topics) - 8736

Total hours broadcast for Year 6- 494:37:01

Watershed Signs installed in Travis County MS4, Year 6

Total number of locations and signs installed- 5 locations, 10 signs installed.

- 1. Blake-Manor Road, Site 1- 2 signs installed**
- 2. Blake-Manor Road, Site 2- 2 signs installed**
- 3. Bratton Lane- 2 signs installed**
- 4. Grand Ave Parkway- 2 signs installed**
- 5. Singleton Bend Road- 2 signs installed**