City of Bee Cave

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Certified *Scenic* City

Storm Water Management Program

Phase II (Small) MS4 Annual Report

Permit Year 4 (2017)

4000 Galleria Parkway
Bee Cave, TX 78738

CITY OF BEE CAVE

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040453

Reporting Year (year will be either 1, 2, 3, 4, or 5): 4

Annual Reporting Year Option Selected by MS4:

Calendar Year X

Permit Year_____

Fiscal Year: _____ Last day of fiscal year: (_____)

Reporting period beginning date: (month/date/year) 01/01/2017

Reporting period end date: (month/date/year) 12/31/2017

MS4 Operator Level: 1 Name of MS4: City of Bee Cave

Contact Name: Lindsey Oskoui Telephone Number: 512 767 6677

Mailing Address: 4000 Galleria Parkway, Bee Cave, TX 78738

E-mail Address: loskoui@beecavetexas.gov

A copy of the annual report was submitted to the TCEQ Region: YES X NO___
Region the annual report was submitted: TCEQ Region 11

B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions: (TXR040000 Part IV Section B.2.):

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		Approval and coverage effective as of 03/10/15. The City has met goals for permit year 4.
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		The City is in compliance with recordkeeping and reporting.

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		TMDL requirement is not warranted. The City met all applicable requirements.

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below (**See Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
1	1. Distribute Educational Material	Yes - Administratively approved by TCEQ and appropriate for Public Education, Outreach, and Involvement. City has identified target audience and summarized plan of action in the past, acquired educational materials from different sources including EPA and TCEQ. City has also prepared brochures for stormwater quality issues which are available in hard copy at the Planning & Development Department front desk window. City distributed materials among attendees of City Council and other Boards meetings. We also include appropriate educational materials at the time of site, building, and septic permit issuance. City has been distributing educational materials to the general citizen through the City's constant contact and Homeowner's Association distribution lists. Educational materials are available in City's website including a dedicated MS4 page explaining the importance of clean stormwater and tips for citizens on how to positively contribute. City published articles in the monthly newsletter published by the library department. Furthermore, City is utilizing digital tools for public education and awareness. On our digital message board, we have been displaying eight (8) slides about stormwater, which are on continuous rotation during business hours. Few of those materials are included under Appendix 'A'. These efforts are part of City's awareness campaign towards reducing the discharge of pollutants in stormwater.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
1	2.Web Site	Yes – Administratively approved by TCEQ and appropriate for Public Education, Outreach, and Involvement. City has collected sample materials from different sources and has been developing its own stormwater related content on a regular basis. The SWMP, previous annual reports, stormwater quality educational information including useful links to outside agencies, and updated water quality pond map are all available on the City website; under a page completely dedicated to MS4 compliance. A section for 'Frequently Asked Questions and Answers' is recently added too. This page provides a source of information for citizen and helps City in improving awareness about adverse impacts of pollutant discharge. Screenshot of the page is included under Appendix 'B'.
1/2/3	3.Stormwater Reporting Line	Yes - Administratively approved by TCEQ and appropriate for Public Education, Outreach, and Involvement; Illicit Discharge and Elimination, and Construction Site Runoff Control. City has identified and summarized plan of action in the past. A reporting line (phone and e-mail address) has been established. Reporting form and contact information is available in the City's website and also on the distributed materials. Please see Appendix 'C' for reporting form. City has developed internal procedures for receiving calls/e-mails, documentation of incidents/complains and corrective actions, dispatching to appropriate personnel/inspector, and communicating with responsible parties to resolve any issues. This streamlined process is facilitating the incidence of reporting and remedial actions within shortest period of time. City has documented calls and incidences. City reviewed general needs for reporting line improvement, and areas requiring additional educational or enforcement effort to protect stormwater quality.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
1	4. Waste Cleanup	Yes - Administratively approved by TCEQ and appropriate for Public Education, Outreach, and Involvement. City has identified process and summarized plan of action in the past. City is part of the Lake Travis Regional Re-use and Recycling Center (LTRRRC). The center receives household products and hazardous waste on scheduled events. Three such scheduled collection events took place in 2017. City documented these events with approximate amount of collected materials. Appendix 'D' contains information on amount of materials by different type collected in 2017. It also contains some photographs from recent event.This arrangement is adequately supporting the waste cleanup requirements. Additionally, City documented right-of-way cleanup activities of 2017.
2	5.Illicit Discharge Prohibition/Elimination Ordinance	Yes - Administratively approved by TCEQ and appropriate for Illicit Discharge Detection and Elimination. Current City code (under Section 20.04) is sufficient for detection and elimination of illicit discharge. It specifies all requirements including NPDES/TPDES permits and appropriate prohibitions. The enforcement of code is the mechanism for City to achieve the goal to prevent illicit discharge. City documented the instances of enforcement and action taken to eliminate the illicit discharge.
2	6. Storm Sewer System Map	Yes - Administratively approved by TCEQ and appropriate for Illicit Discharge Detection and Elimination. City has a map for location of water quality ponds (/outfalls) and related infrastructure as well as surface water bodies. The map is attached with this report under Appendix 'E'. The map identifies water quality ponds and roadways by responsible parties for maintenance. Staff can communicate with appropriate parties using information in internal database if situation arises to address concern immediately. City documented location of all outfalls that discharge into waters of the U.S. City also started collecting private storm sewer system network data.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
2	7. Illicit Discharge Detection and Elimination (IDDE) Training	Yes - Administratively approved by TCEQ and appropriate for Illicit Discharge and Elimination. City has identified personnel who need to attend trainings, including plan reviewers, building inspectors, code enforcement officers, and administrative staff responsible for the stormwater reporting line. Staff attended trainings including webinar. City developed in-house training capabilities too. Trainings helped staffs to be familiar with different aspects of MS4 and stormwater quality requirements and staff is utilizing gained knowledge in review and daily inspection activities.
2	8. IDDE Response, Investigation, and Inspections	Yes - Administratively approved by TCEQ and appropriate for Illicit Discharge and Elimination. City has procedure policy in place for IDDE response, field investigation, and inspection to identify the source of discharge, elimination of the discharge, and enforcing corrective measures within shortest possible period of time. In 2017, City received only one complaint. Staffs inspected, traced the source, and oversaw action to remove sources. Besides, City staff continued regular inspection for grease traps, septic system, site development, and building construction etc. City has a standard template for site development inspection report. Additionally, staff can create incidence/violation report using City's online application system.
2	9. Spill Response	Yes - Administratively approved by TCEQ and appropriate for Illicit Discharge Detection and Elimination. City has a spill response procedure in place. In case of spill, City's Police Department and Lake Travis Fire and Rescue (LTFR) are the first and primary responders. There were three spill incidents within City's jurisdiction in 2017. These spill incidences were not of measurable quantities. City documented incidences. A report is included under Appendix 'F'.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
2	10. Erosion Control Ordinance and Requirements for Construction Site Contractors	Yes - Administratively approved by TCEQ and appropriate for Construction Site Runoff Control. City's current Code of Ordinance has sufficient provisions for erosion and sedimentation controls requirements for construction sites. An approved erosion and sedimentation control plan is a requirement for issuance of a Site Permit. Upon commencement of a project, the City regularly monitors construction activities, immediately communicates with contractors and developers when inspectors observe controls are not being properly maintained and enforces via stop work orders in instances of initial non-responsiveness. This process of enforcement ensures strict compliance with stormwater regulations. City documented instances of enforcement and action taken for erosion control, actions taken to eliminate prohibited discharges.
3	11. Erosion Control Plan Review	Yes - Administratively approved by TCEQ and appropriate for Construction Site Runoff Control. City's current Code of Ordinance requires erosion and sedimentation control plan as part of site development plan set and staff review such plan on site specific basis prior to permitting any land disturbing activities. Staff inspects the site before the pre-construction meeting to verify sufficiency of protective measures. City documented number of construction site plans reviewed and sites under construction during any time of the year.
3	12. Construction Site Inspection and Enforcement	Yes - Administratively approved by TCEQ and appropriate for Construction Site Runoff Control. City receives SW3P inspection report weekly and after every 0.5" rainfall events. Staff communicated with site supervisors accordingly after reviewing reports. Staff generally visits active site on a routine basis. Staff also visits sites with issues frequently. Three (3) City staff has made approximately 220 visits in 2017. There is a reduction (as observed and evaluated) of stormwater quality issues in construction site during 2017 than the previous years. City documented follow-up inspections.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
3	13. Engineering and Construction Staff Training	Yes - Administratively approved by TCEQ and appropriate for Construction Site Runoff Control. Staff has attended in relevant seminars and webinars offered by different organizations. Additionally, City developed an in-house digital resource library with training materials for staffs. Such trainings help staff in inspection of construction sites, understanding the issues, identifying the source, finding out the appropriate solutions, and formulating enforcement of appropriate measures (if necessary) to ensure discharge of pollutants does not travel towards waterbodies. Appendix "G" contains sample of some training materials and attendance certificates.
4	14. Post-Construction Stormwater Ordinance	Yes - Administratively approved by TCEQ and appropriate for Post-Construction Stormwater Management. Current City Code of Ordinance contains sufficient provisions. Staff visits the site at the end of construction and then annually for 2 years to visually verify the condition of permanent stabilization and water quality control facilities. Furthermore, staffs conducts inspection of the permanent water quality control facilities (/ponds) annually and notify the responsible party if any maintenance is required and enforce such maintenance. Additionally, City requires the responsible parties to conduct a functionality inspection once in every 5 years to ensure those facilities are working in intended manner and to identify if any adjustments/maintenance works are necessary to improve functionality. City implemented adopted policies and procedures. All these procedures and measures help City in achieving higher water quality control standards and limit any pollutants leaving sites.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
4	15. Development Review	Yes - Administratively approved by TCEQ and appropriate for Post-Construction Stormwater Management. Site development plan includes sheets for erosion and sedimentation control plan, temporary and permanent stabilization, tree protections, storm sewer plan, water quality control plans etc. which staff review prior to proceed for approval. Staff also reviews maintenance plan for water quality controls and integrated pest management plan at the same time. The review ensure that the site will be in general conformance with stormwater regulations during and after construction, and the development will have appropriate water quality control to meet the higher level (95%) of pollutant removal requirements established by the City.
4	16. Structural Control Maintenance	Yes - Administratively approved by TCEQ and appropriate for Post-Construction Stormwater Management. Current City Code of Ordinance requires a 'Maintenance Plan' for all structural water quality control facilities. As part of an annual inspection process, staff visits the subject facilities, notifies the responsible parties of our findings, and enforces maintenance when necessary. Staff visited 87 facilities in 2017, of which four required more than routine maintenance. No formal 'Notices of Violation' were required; all were notified via e-mail. Maintenance activities took place already. These annual inspections are ensuring long-term operation and maintenance which is key to maintain stormwater quality. Additionally, City has adopted an ordinance (in 2015) requiring functionality inspection once in every 5 years. This ordinance requires a licensed professional visit the facilities and submit a report to City listing conditions observed and any maintenance that are necessary. City then enforce the operator to complete any such maintenance activities to ensure that those facilities are performing their functions and there is no increase in pollutant loads. These procedures are adequate to reduce pollutant discharge from any developed site. City is documenting all of these activities.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
5	17. Inventory of Facilities and Stormwater Controls	Yes - Administratively approved by TCEQ and appropriate for pollution prevention and good housekeeping. City has the inventory of all publicly owned and operated facilities. City also has inventory for privately maintained stormwater quality control facilities. This inventory is essential to identify responsible parties, and resolve issues quickly. City identified and documented two new areas (tracts recently purchased by City) that need to be inventoried.
5	18. Employee Training	Yes - Administratively approved by TCEQ and appropriate for Pollution Prevention and Good Housekeeping. City has identified municipal operations that have potential to impact stormwater. City's maintenance employees have sufficient experience in municipal operations and maintenance activities while implementing pollution prevention and good housekeeping practices. City documented training programs.
5	19. Disposal of Collected Waste	Yes - Administratively approved by TCEQ and appropriate for Pollution Prevention and Good Housekeeping. City has written procedures. City has properly disposed collected wastes to comply with all applicable requirements.
5	20. Contractor Oversight Procedures	Yes - Administratively approved by TCEQ and appropriate for Pollution Prevention and Good Housekeeping. Staffs are in regular communication with contractor's site supervisors to address any issues. Staff explains all stormwater related facts, restrictions, and necessary measures during pre-construction meeting and subsequent site visits so that contractor is aware of stormwater requirements and make their best efforts to eliminate any potential discharge. City developed oversight procedures and it is being implemented duly. City started documenting actions taken to oversee contractor activities.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
5	21. Municipal Operations and Maintenance Activities	Yes - Administratively approved by TCEQ and appropriate for Pollution Prevention and Good Housekeeping. City has identified activities and procedures for regular maintenance activities. Appropriate pollution prevention and housekeeping measures are in place. Maintenance crews are mindful of restrictions and requirements. City begun implementation of scheduled assessments and inspections of municipal operation and maintenance activities. City currently has no facilities regulated by TXR050000 for industrial stormwater discharge.
None	22. Edwards Aquifer Contributing Zone	Yes - Administratively approved by TCEQ and appropriate for the Edwards Aquifer Rule. City has been following and implementing all relevant rules for years. City maintains copy of City criteria related to the Edwards Aquifer Rule. City is keeping records of CZP approval for development projects

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable. Summarize any information used (such as visual observation, amount of materials removed or prevented from entering the MS4, or if required monitoring data, etc.) to evaluate reductions in the discharge of pollutants. You may use the table (**See Example 2 in instructions**):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
1	1.2 Website	Educational materials and useful information		Digital media	No. Though this BMP does not result in a direct reduction of pollutants, educating the citizens will eventually reduce litter, hence pollutants. Additionally, it provides reporting information which helps to properly respond.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
1, 2, 3	1.3, 2.3,3.3 Stormwater Reporting Line	City website and other communication tools	1	Phone call	Yes. The streamlined reporting line and rapid action plan reduced potential travels of pollutants to water bodies.
1	1.4 Waste Cleanup	Collection center	3	Events	Yes. The collection of household and hazardous materials reduced potential dumping of some of those materials.
2	2.5 Illicit Discharge Prohibition/ Elimination Ordinance	City Code of Ordinance			Yes. Existing ordinance specifies all requirements including NPDES/TPDES permits and appropriate prohibitions. It ensures reducing illicit discharge.
2	2.6 Storm Sewer System Map	Outfalls	New:7 Total: 91	Inspections	Yes. If illicit discharges are observed, immediate actions can be taken to remove the pollutant and track the sources.
2	2.7 Illicit Discharge Detection and Elimination (IDDE) Training	Training	3	Number (Seminar and Webinar)	Yes. Staff acquired in depth knowledge about illicit discharge, source identification, procedures of resolution etc. all of which are essential to reduce non-point source pollutants and improve stormwater quality.
2	2.8 IDDE Response, Investigation, and Inspections		1	Inspections	Yes. Staff has inspected sites whenever necessary and investigated issues in order to reduce discharge of pollutants. There was no incident of sewage leakage in last 7 years.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
3	3.10 Erosion Control Ordinance and Requirements for Construction Site Contractors	City Code of Ordinance			Yes. Adequate levels of erosion and sedimentation controls measures are implemented in construction sites to reduce pollutants leaving the sites.
3	3.11 Erosion Control Plan Review		23	Projects	Yes. Review of erosion and sedimentation control plan directly contribute reducing pollutants leaving the construction sites and achieving final stabilization in all disturbed areas.
3	3.12 Construction Site Inspection and Enforcement		220 (approximate)	Inspections	Yes. Staff has inspected residential and non-residential sites to check sufficiency of erosion and sedimentation controls and whether any adjustment is necessary to reduce erosion and sediment discharge from sites. Staff also inspected final stabilization.
3	3.13 Engineering and Construction Staff Training		6	Number (Seminar and Webinar)	Yes. Training provides staff insights of construction sites, issues, and possible and feasible solution which staff utilizes during communication with contractors to reduce construction site stormwater runoff.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
4	4.14 Post-Construction Stormwater Ordinance		8	Inspections	Yes. Staff inspected developed projects annually for first two years to check compliance and find out any issues. This is to make sure that there is no pollution source. City's current NPS ordinance requires permanent water quality facilities that are capable to achieve minimum 95% pollutant removal on-site in developed condition. There are many retention-irrigation systems in place which can theoretically achieve 100% pollutant removal.
4	4.15 Development Review	City Code of Ordinance	23		Yes. Development review provides staff the overall development scenarios. Staff made necessary comments in an attempt to reduce pollutants and achieve higher standards mandated by City ordinance.
4, 5	4.16 and 5.16 Structural Control Maintenance	City Code of Ordinance	87	Inspections	Yes. Staff inspected developed projects annually to check water quality ponds are properly maintained. This step ensures performance of those facilities which is integral part of process for reduction of pollutants.
5	5.19 Disposal of collected waste				Yes. City has properly disposed all collected waste via its service provider which ensures reduction of pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
5	5.20 Contractor oversight procedures		13 (Site develop ments)	Person	Yes. By regular communication via e-mail and phone, and inspecting the construction sites, staff have evaluated if proper best management practices are being utilized. Staff also oversight home building phase and communicated with those contractors as necessary.
5	5.21 Municipal Operations and Maintenance Activities				Yes. City and its service providers implemented necessary measures for pollution prevention and good housekeeping practices to reduce pollutants. Given the size of the City and the scope of its municipal services, we undertake relatively few activities that have a stormwater component. However, where there is overlap we implement best practices into our procedures. For example, in all of our parks we provide trash receptacles and dog waste stations, which we empty and provide supplies to on a daily basis. We bring our fleet vehicles to be washed and serviced at facilities that implement water re-use practices state-mandated safe disposal practices. And we provide single stream recycling receptacles at all municipal buildings.

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (**See Example 3 in instructions):**

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 1 BMP 1. Distribute Educational Material	Distribute stormwater quality educational information to public employees, businesses, and the general public a minimum of once per year.	Met Goal - City has distributed educational materials to general public, businesses, and contractors on a regular basis by different means. City is using both print copy and digital media for distribution. City has documented target audience, distributed materials, methods and procedures for distribution. City also documented updates to the program.
MCM 1 BMP 2.Web Site	Revise, update, and maintain the stormwater website, as needed. Solicit input and feedback from the public for stormwater quality issues and opportunities in the City.	Met Goal - City has been developing stormwater related content on a regular basis. The SWMP, previous annual reports, stormwater quality educational information, water quality pond map are added in the City website under a new page completely dedicated to MS4 compliance. A section for 'Frequently Asked Questions and Answers' is recently added too. City has documented target audience. City has asked for input and feedback from the public for non-point source pollution control issues. City is also seeking volunteers for events.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCMs 1/2/3 BMP 3.Stormwater Reporting Line	Educate the public about the existence of the stormwater reporting line through various educational outlets like distributed material and stormwater website. Document each call and dispatch to appropriate department for proper response. Conduct a review of calls to identify trends (i.e., repeated reports of illegal dumping in certain areas of the City), general needs for reporting line improvement, and areas requiring additional educational or enforcement effort to protect stormwater quality, and update the written procedures accordingly.	Met Goal – The educational materials have the reporting line (phone and e-mail address) information to inform the public about its existence. City's webpage for MS4 has an online reporting form with alternative contact information. City has developed internal procedures for receiving calls/e-mails, documentation of incidents/complains and corrective actions, dispatching to appropriate personnel/inspector, and communicating with responsible parties to resolve any issues. This streamlined process is facilitating the incidence of reporting and remedial actions within shortest period of time. Reporting form and contact information is available in the City's website. City has documented calls and incidences. City has received only one call in 2017 and took appropriate steps immediately.
MCM 1 BMP 4. Waste Cleanup	Continue offering waste cleanup activities (e.g., bulk waste cleanup, household hazardous waste collection, park cleanup). Evaluate opportunities and public receptiveness for additional waste cleanup activities.	Met Goal - City is part of the Lake Travis Regional Re-use and Recycling Center (LTRRRC). The center receives household products and hazardous waste on scheduled events. Three (3) such scheduled collection events took place in 2017. City documented those events. Appendix 'D' contains information on materials collected in 2017.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 2 BMP 5.Illicit Discharge Prohibition/ Elimination Ordinance	Issue final illicit discharge prohibition ordinance, if necessary. Conduct education activities, as needed, to inform the public about new ordinance requirements.	Met Goal - Current City code (under Section 20.04) is sufficient for detection and elimination of illicit discharge. It specifies all requirements including NPDES/TPDES permits and appropriate prohibitions. MS4 page in City's website contain public awareness information. Developers and contactors are notified of restrictions and requirements. City documented the instances of enforcement and action taken to eliminate the illicit discharge.
MCM 2 BMP 6. Storm Sewer System Map	Complete identification of stormwater outfalls in the City and the names and locations of any waters of the U.S. receiving discharges from the MS4. Begin developing a map of the stormwater outfall drainage system of the City, and document the source of information used to develop map.	Met Goal - City has a map for location of water quality ponds (/outfalls) and related infrastructure as well as surface water bodies. The map contains all outfall locations within City and its ETJ. The map is attached with this report under Appendix 'E'. The map identifies water quality ponds and roadways by responsible parties for maintenance. Staff can communicate directly with appropriate parties using information in internal database if situation arises to address concern immediately. City documented location of all outfalls that discharge into waters of the U.S. City documented location and name of surface water receiving discharges. City documented source of information used to develop map.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 2 BMP 7. Illicit Discharge Detection and Elimination (IDDE) Training	Begin IDDE training according to written procedures.	Met Goal - Staff has attended in relevant seminars and webinars offered by different organizations etc. City developed in-house training capabilities too. A training log is included under Appendix 'G'. City documented training program materials, attendance lists, date of training, trainer source etc.
MCM 2 BMP 8. IDDE Response, Investigation, and Inspections	Begin implementation of illicit discharge response, investigation, and inspection activities. Prioritize the investigation of discharges based on relative risk of pollution.	Exceeded Goal - City has procedure policy in place for IDDE response, field investigation, and inspection to identify the source of discharge, elimination of the discharge, and enforcing corrective measures within shortest possible period of time. In 2017, City has received only 1 complaint which was addressed. The procedure includes process for source investigation and elimination. It requires City will prioritize investigation of discharge based on their relative risk of pollution. For example, sanitary sewage and chemical/pol spill will be considered a high priority discharge. City has documented Investigation with the date observed, elimination method, and date resolved.
MCM 2 BMP 9. Spill Response	Continue implementation of spill response procedures and training through the Fire Department.	Met Goal - City has spill response procedure in place. In case of spill, City's Police Department and Lake Travis Fire and Rescue will take appropriate action. There were three

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
	Evaluate existing spill response procedures and training, and modify as necessary to protect water quality.	minor spill incidents within City's jurisdiction in 2017. City has documented date of spill response and type of spill. City also evaluated existing spill response procedures.
MCM 3 BMP 10. Erosion Control Ordinance and Requirements for Construction Site Contractors	Issue final ordinance erosion control ordinance, if necessary. Conduct educational activities, as needed, to inform the public about the new ordinance requirements. Monitor erosion and sediment controls, soil stabilization, and BMPs through established procedures. Monitor prohibited discharges through established procedures.	Exceeded Goal - City's current Code of Ordinance has sufficient provisions for erosion and sedimentation controls requirements for construction sites. City regularly monitors construction activities, communicates with contractors and developers, and enforce as necessary time to time. This process of enforcement ensures strict compliance with stormwater regulations. There has been a reduction of erosion and sedimentation events in construction sites. City documented instances of enforcement and action taken for erosion control, actions taken to eliminate prohibited discharges. City staff evaluated effectiveness of commonly used erosion and sediment controls, soil stabilization, and BMPs.
MCM 3 BMP 11. Erosion Control Plan Review	Implement revisions to the construction site plan review procedures, as necessary, and begin documenting the reviews.	Met Goal - City's current Code of Ordinance requires erosion and sedimentation control plan as part of site development plan set and staff review such plan on site specific basis prior to permitting any land disturbing activities. Staff inspects the site before the pre-construction meeting to verify sufficiency of protective measures.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
		City adjusted review process time to time as deemed necessary. Staff applied lesson leant about BMPs effectiveness from past projects in new projects. City documented number of construction site plans reviewed in 2017.
MCM 3 BMP 12. Construction Site Inspection and Enforcement	Begin implementing construction site inspection and enforcement procedures, including documentation of the inspections and enforcement activities.	Met Goal - City receives SW3P inspection report weekly and after 0.5" rainfall events. Staff reviewed the report immediately and communicated with site supervisors accordingly. If there is any maintenance required, staff required the supervisor to complete such works. Staff visits active site on a routine basis. Staff also visits sites with issues frequently. Whenever necessary, staff enforced appropriate measures. City documented inspections and instances of enforcement. Three (3) City staff has made approximately 220 visits in 2017. City also documented reason(s) for non-compliance and follow-up inspections.
MCM 3 BMP 13. Engineering and Construction Staff Training	Begin providing appropriate training to staff with duties related to the construction stormwater program prior to them conducting unassisted permitting, plan reviews, inspections, or enforcement activities.	Met Goal - Staff has attended in relevant seminars and webinars offered by different organizations. Please see Appendix 'G' which lists all those trainings. City documented training program materials, attendance lists, date of training, trainer/training provider etc.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 4 BMP 14. Post-Construction Stormwater Ordinance	Issue final post-construction stormwater ordinance, if necessary. Conduct education activities, as needed, to inform the public about new ordinance requirements.	Exceeded Goal- Current City Code of Ordinance contains sufficient provisions. Staff visits the site at the end of construction and then annually for 2 years to visually verify the condition of final stabilization and water quality control facilities including ponds and vegetative filter strips area. Furthermore, staff conducts inspections of the permanent water quality control facilities (/ponds) annually and notifies the responsible party if any maintenance is required. Overall, we have had great success working directly with parties where short term maintenance and long term improvements are required. In instances of non-responsiveness, we issue "Notice of Violation" and then if necessary we can proceed with legal notice and ultimately enforcement through the court system. Additionally, City requires the responsible parties to conduct a functionality inspection once in every 5 years to ensure those facilities are working in intended manner and to identify if any adjustments/maintenance works are necessary to improve functionality. All these procedures and measures help City in achieving higher water quality control standards and limit any pollutants leaving sites.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 4 BMP 15. Development Review	If needed, finalize the design review process for all planned construction projects at least one acre in size to protect stormwater quality.	Met Goal - Site development plan includes sheets for erosion and sedimentation control plan, temporary and permanent stabilization, water quality control plans etc. which staff review and verify prior to approval. City code requires removal of minimum 95% developed pollutant loads. Furthermore, code established a 'Water Quality Buffer Zone' paralleling each side of the waterway. Code also requires a certain amount of open space within subdivision. Development activities are generally prohibited within that area. These higher standards and restrictions improve overall stormwater quality. City of Austin 'Watershed Protection Department' publishes a report on 'Environmental Integrity Index' for creeks and streams in this area. Historically, Little Barton Creek ranks in the top (2nd best in overall scores). City adjusted review process to streamline it. Water quality control measures are being reviewed in every phase including Concept Plan and Site Plan. As part of final plat review, City staff ensures that drainage and water quality control facilities are located within an easement. Final plat includes notes directing restriction and maintenance requirements for those easements. City also requires developers to record a maintenance plan with Travis County.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 4 BMP 16. Structural Control Maintenance	Continue implementation of maintenance activities according to the developed procedures. If applicable, continue procedures for educating the public that operation and maintenance activities must be documented and retained on site to be made available for review to show compliance with long-term maintenance plans.	Exceeded Goal - Current City Code of Ordinance requires a 'Maintenance Plan' for all structural water quality control facilities. City requires developers to record the maintenance plan with Travis County. As part of annual inspection, staff visits the subject facilities, notifies the responsible parties, and enforces necessary maintenance. Identified maintenance activities are completed for most of the facilities with some currently in progress. Additionally, City has adopted an ordinance (in 2015) requiring functionality inspection once in every 5 years. This ordinance requires a licensed professional visit the facilities and submit a report to City listing conditions observed and any maintenance that are necessary. City then enforce the operator to complete any such maintenance activities to ensure that those facilities are performing their functions and there is no increase in pollutant loads. Furthermore, City is responsible for regular maintenance of two facilities. We have a consulting civil engineering firm specializing in stormwater on retainer in the event we need a second opinion and modification to the ponds, but generally are able to handle most design/troubleshooting and maintenance in-house. City documented structural control inspection and maintenance activities.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 5 BMP 17. Inventory of Facilities and Stormwater Controls	Begin developing a printable inventory of City-owned and operated facilities and stormwater controls according to the written procedures.	Met Goal - City has the inventory of all publicly owned and operated facilities. City also has inventory for privately maintained stormwater quality control facilities. In 2017, City identified and documented two new areas that need to be inventoried. They are mostly undeveloped, open space.
MCM 5 BMP 18. Employee Training	Begin conducting BMP training for the municipal employees responsible for activities that may impact stormwater quality.	Met Goal - City has identified municipal operations that have potential to impact stormwater. Because our engineering staff cross-trains our maintenance staff using the same standards we apply to private development within the City and ETJ, the City's maintenance employees have adequate knowledge in implementing pollution prevention and good housekeeping practices. Both groups are in regular communication and consultation during annual maintenance and public projects as in-field questions and considerations arise. City documented training program materials, attendance lists, date of training, trainer/training provider etc.
MCM 5 BMP 19. Disposal of Collected Waste	Develop written procedures to properly dispose of collected waste materials according to water quality protection goals, including proper temporary storage of waste.	Met Goal - City has properly disposed all collected waste from publicly maintained facilities and infrastructure with the assistance of its service provider. City has a written procedure.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 5 BMP 20. Contractor Oversight Procedures	Begin implementation of written procedures to contractually require contractors to comply with the City's stormwater management program best management practices and to provide oversight of contractor activities.	Met Goal – City has established procedure and practice of communicating with the contractors via e-mail and phone, and inspecting the contractor operated construction sites. By appropriate notes and permitting process, City ensures contractors to comply with stormwater related regulations and standard practices. Developer/contractors are required to post a fiscal security before receiving a permit. City release the posted fiscal security (/bonds) only after satisfactory completion of projects. Each contractor must be registered with City. They require submitting insurance, trade license, and other documents as part of registration process. Additional permits are required to work within City's right-of-way. City documented actions taken to oversee contractor activities.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
MCM 5 BMP 21. Municipal Operations and Maintenance Activities	Continue developing written procedures, as needed, to perform assessments on municipal operation and maintenance activities and implementing pollution prevention measures that will reduce the discharge of pollutants into stormwater. Include visual inspection procedures and documentation procedures to confirm pollution prevention measures are functioning as intended. Begin implementation of scheduled assessments and inspections of municipal operation and maintenance activities. Begin incorporation of pollution prevention measures, as recommended in the assessments and inspections.	Met Goal – An established good housekeeping practice in place which takes into account stormwater pollution and prevention measures. City's service provider 'Texas Disposal System' collects trash/letters, pet waste from City parks and uses existing recycle station. City's service provider 'Clean Scapes' collects trash/litters from street's rights-of-way once a week and conduct mowing operation monthly. Street sweeping contractor sweep the streets on a routine and necessity basis. City conducts cleaning of storm sewer drains/culverts and drainage ditches maintenance as needed including removal of deposited sediments/trash. City documented date and location of assessments and inspections completed.
MCM 5 BMP 22. Edwards Aquifer Contributing Zone	Continue to comply with the Edwards Aquifer Rule and operate according to Title 30 Chapter 213 of the Texas Administrative Code.	Met Goal – As part of development plan review, staff ensure that all construction projects are in compliance with Edwards Aquifer Rule. For projects requiring 'Contributing Zone Plan', applicant submits copy of their submission to TCEQ. City requires receiving approval letter of CZP from TCEQ prior to formal approval process. City is keeping records of CZP approval for development projects.

C. Stormwater Data Summary

Provide a summary of all information used including any lab results (if sampling was conducted) to assess the success of the SWMP at reducing the discharge of pollutants to the MEP. For example, did the MS4 conduct visual inspections, clean the inlets, look for illicit discharge, clean streets, look for flow during dry weather, etc.? (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(b))

Field screening is not required for level I operator. City has not conducted any activity for sampling collection and laboratory analysis. However, staff continuously performed dry weather visual inspections at outfalls to determine if there were illicit discharges by residents or from construction activities. Staff monitors (as part of regular site inspection) conditions in the nearby creek (if any) downstream of any construction sites. There were no incidents of direct discharge of sediments, other illicit discharge to the creek. There were no apparent pollutants in the water. Staff also visited some points along the creeks to check for algae but could not see any substantial presence. From visual inspections, staff concludes that existing procedures are sufficiently protecting stormwater quality. Adopted and implemented procedures are successful in reducing discharge of pollutants to the water bodies.

City's maintenance contractor cleaned one culvert within right-of-way. The street sweeping company under contract with City is keeping the streets clean by regular sweeping.

D. Impaired Waterbodies

1. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern: (Refer to MS4 General Permit TXR040000 Part IV Section B.2.(c))

   N/A

2. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)):

   N/A

3. Report the benchmark identified by the MS4 and assessment activities (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(6)):

Benchmark Parameter *(Ex: Total Suspended Solids)*	**Benchmark Value**	**Description of additional sampling or other assessment activities**	**Year(s) conducted**
N/A			

4. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(4)):

Benchmark Parameter	**Selected BMP**	**Contribution to achieving Benchmark**
N/A		

5. If applicable, report on focused BMPs to address impairment for bacteria (Refer to the MS4 General Permit TXR040000; Part II Section D.4.(a)(5)):

Description of bacteria-focused BMP	**Comments/Discussion**
N/A	

6. Assess the progress to determine BMP's effectiveness in achieving the benchmark (Refer to the MS4 General Permit TXR040000; Part II.D.4.(a)(6)):

For example, the MS4 may use the following benchmark indicators:

- number of sources identified or eliminated;
- decrease in number of illegal dumping;
- increase in illegal dumping reporting;
- number of educational opportunities conducted;
- reductions in sanitary sewer flows (SSOs)

- increase in illegal discharge detection through dry screening

Benchmark Indicator	Description/Comments
N/A	

E. Stormwater Activities

Describe stormwater activities the MS4 operator plans to undertake during the next reporting year. You may use the table below (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(d)):

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	1	Distribute Educational Material	- City will prepare new printed and digital brochures containing stormwater quality educational information. These new materials will be tailored to the specific group of target audience. For example, materials of residents will vary from those for businesses. City will continue distributing those materials among public employees, business owners (with help from City's Chamber of Commerce), general citizen (via home owners association and apartment management), and contractors etc. to increase awareness. City will distribute materials among attendees for City Council and other boards meetings. Contractors and developers will receive materials as part of permits. All of these educational materials will be available at the front desk and within lobby of City Hall. City will print stickers which will be available at the front desk of City Hall and in the library for free distribution. -In partnership with City library, city will distribute appropriate educational materials to kids and teens especially during the summer reading program. City will continue publishing educational articles in the monthly

MCM(s)	BMP	Stormwater Activity	Description/Comments
			newsletter published by the library dept. - Public participation events will occur at least once a year. This year, City is planning to have an event during summer school break. Goal is to teach youth about urban ecology and natural environment. City communicated with "Keep Austin Beautiful". City will collect activity kits such as "Generation Zero Waste", "Watershed Model" etc. from them. Additionally, City is also planning to arrange an "Art Competition" for school children on the topic of water quality and natural environment protection. - City is planning to distribute educational materials during some community events organized by others. For example –Mighty Kite Festival at City Park organized by the Chamber of Commerce, Independence Day Concert arranged by Hill Country Galleria. - City will document educational materials distributed including by type and quantities. City will also document public input and questions as well as updates to program. - City will require developers installation of manhole cover with "Drains to Creek" written on it. City will implement adopting inlet marking program if volunteers are available. - City will install interpretive signage with water quality protection information in a small parkland area with upcoming trail construction within. City will consider additional such installation within other City Parks. City will encourage private developers to install similar signage. So far, two developers agreed to install within the private park/Scenic view area of their subdivision.

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	2	Web Site	- City will continue revising and updating the stormwater webpage once a month. City will add area specific useful educational materials and tips on how to positively contribute. For example, information about fertilizer and pesticide, integrated pest management, rain garden, recycle, and lawn/yard care etc. - City's webpage will continue to solicit input and feedback from the public for stormwater quality issues and opportunities in the City. -City will continue documenting public input and questions. - City's webpage for MS4 will continue to seek volunteers for upcoming events. - City's IT department will document time of updates to website. City's IT department will also count visitors from now on.
1/2/3	3	Stormwater Reporting Line	- The educational materials have the reporting line (phone and e-mail address) information to inform the public about its existence. City's webpage for MS4 has an online reporting form with alternative contact information. Furthermore, City will utilize digital media to inform citizen about the reporting line. City will send e-mails to residential subdivision HOA, Chamber of Commerce etc. informing them about the existence of this reporting line. The library newsletter will contain this information too. Moreover, City will utilize social media to inform citizens. - City will continue documenting each call or online reporting and dispatch to appropriate department for proper response and

MCM(s)	BMP	Stormwater Activity	Description/Comments
			corrective actions. - City will continue documenting each incident with photos taken. City is currently using a spreadsheet to list all incidents and calls. - City will review calls to identify trends, general needs for reporting line improvement, and areas requiring additional educational or enforcement effort to protect stormwater quality. City will update the written procedures accordingly. - City will seek public input to improve this service. City will document information submitted by the public. - City will document the methods of publicizing and facilitating public reporting. - City will continue communicating with TCEQ and alerting them if necessary.
1	4	Waste Cleanup	- City will continue offering existing waste cleanup activities for bulk waste cleanup, household hazardous waste collection, park cleanup etc. - There will be three collection events in 2018 at the Lake Travis Regional Re-use and Recycling Center (LTRRRC). The 1st one took place on March 21. The other two will take place on June 6th and October 3rd.. City will distribute event flyers in advance to increase participations. - City will evaluate opportunities and public receptiveness for additional waste cleanup activities. - City will continue documenting the

MCM(s)	BMP	Stormwater Activity	Description/Comments
			followings - number of cleanup events, number of participants, approximate amount of collected materials etc. - City will document its public street sweeping and right-of-way cleanup program. - City has allocated budget for cleaning sediments stored within culverts. City identified culverts that require cleaning. City will hire contactor to clean those culverts. - City planned to have a voluntary 'Creek Cleaning/Community Cleanup' program in November. City is currently in planning stage to organize the cleanup event. City recently hired a new staff as "Parks and Recreation Facilities" manager. She will be assisting us for this event. City has communicated with "Keep Austin Beautiful" and they agreed to provide cleanup supplies. City will start volunteer recruitment in summer. City will use all available communication method including social media to inform the residents about the volunteer opportunity.
2	5	Illicit Discharge Prohibition/Elimination Ordinance	- Staff reviewed the current ordinance and also TCEQ model ordinance. Staff concluded that the existing ordinance is sufficient. However, as part of upcoming code update, City will evaluate if any additional Code would improve the environment and City will update the existing ordinance if necessary. If necessary, City will conduct education activities to inform the public and developers/contractors about new ordinance requirements. - If any update is made to existing ordinance, City will document the date of ordinance enactment and document the method for

MCM(s)	BMP	Stormwater Activity	Description/Comments
			educating the public about new ordinance requirements. - City will continue enforcement of its NPS pollution control ordinance. City will follow the established process and will update the process if necessary. - City will continue documenting the instances of enforcement and action taken to eliminate the illicit discharge.
2	6	Storm Sewer System Map	- City will continue updating the existing map to include new water quality ponds (/outfalls) and also to update City boundary. City will document location of any new outfalls that discharge into waters of the U.S. - City will continue collecting (private) storm sewer network layout information in order to develop a GIS map of the stormwater outfall and storm sewer drainage system of the City. City will document the source of information used to develop map. City will continue updating contact information for all privately maintained facilities.
2	7	Illicit Discharge Detection and Elimination (IDDE) Training	- City will continue IDDE training for personnel. Staff will attend outside training as well as in-house training. - City will document the followings - training program materials, attendance lists, date(s) of training, trainer and trainer source. - City will continue acquiring materials from different sources to improve in-house training capabilities. - Identified staff will watch videos available from the EPA and other websites.

MCM(s)	BMP	Stormwater Activity	Description/Comments
2	8	IDDE Response, Investigation, and Inspections	- City will continue to respond to complaint driven requests for investigations for illicit discharge. City will prioritize the investigation of discharges based on relative risk of pollution. - City will continue inspection of grease traps as part of building inspection. - City will continue septic system inspection. - City will continue site visit during construction to ensure environmental protections. - City will document the investigation/inspection reports with the date observed, elimination method, and date resolved.
2	9	Spill Response	- City will continue implementation of spill response procedures and training through the Fire Department (Lake Travis Fire and Rescue) and Police department whenever necessary. - In case of severe spill over the highway, TXDOT and TCEQ will be notified. - City will continue evaluating existing spill response procedures and training, and modify the procedure if necessary to protect water quality. - City will continue documenting the following - the date of spill response events completed by the Fire Department, location, the type of spill, amount of spill, the method of cleaning spill, the date of resolution etc.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3	10	Erosion Control Ordinance and Requirements for Construction for Site Contractors	- City evaluated the existing ordinance and it appears that the current ordinance is sufficient. However, based on field experience and changing situation, City will evaluate if any updates to existing ordinance are necessary and update in such case as part of future code update. If updated, City will conduct educational activities, as needed, to inform the public/developers and contractors about the new ordinance requirements. City will document all such activities. - City will continue checking erosion and sedimentation controls, soil stabilization, and BMPs through established procedures. - City will continue monitoring prohibited discharges through established procedures. - City will document instances of enforcement and action taken for erosion control, actions taken to eliminate prohibited discharges. - City will document all legal notice, if any. - City will continue evaluating effectiveness of widely used erosion and sediment controls, soil stabilization, and BMPs. As part of review process and based on findings during site visits, staff will ensure appropriate techniques and materials are being utilized.
3	11	Erosion Control Plan Review	- City will continue documenting number of construction site plans reviewed. - City will continue documenting the number of plans requiring revisions for water quality impacts and site specific control measures.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3	12	Construction Site Inspection and Enforcement	- City will continue construction site inspection and enforcement procedures. - Staff will alert the site superintendent for preventive maintenance repairs. - City will continue documenting the inspections and enforcement activities. - City will document reason(s) for non-compliance and the follow-up inspections. - City will continue taking take necessary steps so that site is in compliance.
3	13	Engineering and Construction Staff Training	- City will continue providing appropriate training to staff with duties related to the construction stormwater program. - City will continue documenting the followings - training program materials, attendance lists, date(s) of training, trainer source. - City will continue developing an in-house digital resource library with training materials for staffs.
4	14	Post-Construction Stormwater Ordinance	- City will further evaluate if any updates to existing ordinance is necessary. In such case, relevant ordinance will be updated as part of future code updates. - City will document any such activity including education activities, if necessary, to inform the public/developer about new ordinance requirements. - City will continue inspection of sites during maintenance bond period and annually.

MCM(s)	BMP	Stormwater Activity	Description/Comments
4	15	Development Review	- City will continue evaluating if any change is necessary in current review process for construction projects and document any such change in design review process accordingly. - City will continue documenting number of sites reviewed each year.
4	16	Structural Control Maintenance	- City will continue annual inspection and implement inspection and maintenance activities according to the established procedures. - City will continue procedures for educating the public that operation and maintenance activities must be documented and retained on site to be made available for review to show compliance with long-term maintenance plans. - City will continue documenting the structural control maintenance procedures and activities including inspection findings and maintenance log.
5	17	Inventory of Facilities and Stormwater Controls	- City have an inventory of City-owned and operated facilities and stormwater controls. - City will document any new areas/facilities that need to be inventoried.
5	18	Employee Training	- City will continue conducting 'good housekeeping and pollution prevention training' for the municipal employees responsible for activities that may impact stormwater quality. - City will continue documenting the followings - training program materials, attendance lists, date(s) of training, trainer source.

MCM(s)	BMP	Stormwater Activity	Description/Comments
5	19	Disposal of Collected Waste	- City will properly dispose waste materials according to the developed procedures. - City will document the written procedures. - City will document the locations of waste disposal and any temporary storage of waste.
5	20	Contractor Oversight Procedures	- City will continue implementing written procedures to contractually require contractors to comply with the City's stormwater management program best management practices and to provide additional oversight of contractor activities. City will start retaining a copy of the written procedures. - City will continue documenting actions taken to oversee contractor activities. - City will document a copy of a contract with requirements for the contractor to comply with stormwater management program best management activities.
5	21	Municipal Operations and Maintenance Activities	- City will continue developing written procedures, as needed, to perform assessments on municipal operation and maintenance activities and implementing pollution prevention measures that will reduce the discharge of pollutants into stormwater. It will include visual inspection procedures and documentation procedures to confirm pollution prevention measures are functioning as intended. - City will implement scheduled assessments and inspections of municipal operation and maintenance activities. City will continue incorporating pollution prevention measures, as recommended in the assessments and

MCM(s)	BMP	Stormwater Activity	Description/Comments
			inspections. - City will document the followings - written procedures, date and location of assessments and inspections completed, observations and recommendations made during assessments and inspections, newly incorporated pollution prevention measures etc.
none	22	Edwards Aquifer Contributing Zone	- City will continue to comply with the Edwards Aquifer Rule and operate according to Title 30 Chapter 213 of the Texas Administrative Code. - City will maintain copy of City criteria related to the Edwards Aquifer Rule. - City will continue keeping records of CZP approval for all development projects.

F. SWMP Modifications

1. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.
   ____Yes__X__No

If 'Yes', report on changes made to measurable goals and BMPs (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(e)):

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)
N/A		

Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible and why the replacement BMP is expected to achieve the goals of the original BMP.

2. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land etc.):

- Annexation of land into the Bee Cave's city limits. The annexed land was inside the City's extra-territorial jurisdiction (ETJ) at the time the TPDES permit was authorized. A 'Notice of Change' form is being submitted simultaneously.

G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans (Refer to the MS4 General permit TXR040000 Part IV Section B.2.(f)).

BMP	Description	Implementation Schedule (Start Date etc.)	Status / Completion Date (completed, in progress, not started)
N/A			

H. Additional Information

1. Is the permittee relying on another entity to satisfy some of its permit obligations? (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(g))

   ___ Yes _X_ No

   If 'Yes," provide the name(s) of other entities and an explanation of their responsibilities (add more spaces or pages if needed):

Name and Explanation:

2.a. Is the permittee part of a group sharing a SWMP with other entities?

___ Yes _X_ No

2.b. If 'yes,' is this a system-wide annual report including information for all permittees?

___ Yes _X_ No

If 'Yes,' list all associated authorization numbers, permittee names, and SWMP responsibilities of each member. (add additional spaces or pages if needed):

Authorization Number: _____ Permittee:_____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Notices of intent and site notices received; Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(h)) __13__

2a. Does the permittee utilize the optional 7th MCM related to construction?

___ Yes __X__ No

2b. If 'yes,' then provide the following information for this permit year (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(i)):

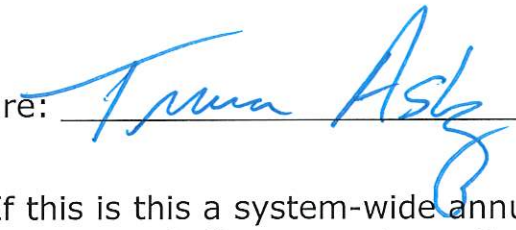
The number of municipal construction activities authorized under this general permit	N/A
The total number of acres disturbed for municipal construction projects	N/A

Note: *Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.*

J. 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 gathered and evaluated the information submitted. Based on my 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 that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (printed): Travis Askey Title: City Manager

Signature:  Date: 03/29/2018

Note: If this is this a system-wide annual report including information for all permittees, each permittee shall sign and certify the annual report in accordance with 30 TAC §305.128 (relating to Signatories to Reports).

Appendix A

BMP 1: Sample Educational Materials for Distribution

THANK YOU TO OUR 2017 SPONSORS

RIGBY Advanced DENTAL

Eyecare Essentials

TOOTHBUD PEDIATRIC DENTISTRY

THANK YOU TO OUR 2017 PARTNERS

PAIYH Put Art In Your Heart DANCE STUDIOS

Learning Express Toys Toys Toys

café blue CLASSIC SEAFOOD & OYSTER BAR

Federal Credit Union aplusfcu.org

BROADWAY BANK Member FDIC

HILL COUNTRY INDOOR SPORTS & FITNESS

PREMIER PHYSICIANS

AVANTI HILLS AT THE GALLERIA

QUALTECH Automotive

KEEP BEE CAVE BEAUTIFUL - A NOTE FROM THE CITY OF BEE CAVE

Stormwater runoff is water that flows after a rainfall. Urban runoff is water from irrigation, over-watering, car washing and other sources that travels into the street picking up pollutants. The largest sources of pollutants to creeks are litter, pet waste, pesticides, fertilizers, leaves and yard clippings, and automotive leaks and spills.

How can YOU help to ensure clean waterways? Generally, you can help prevent storm water pollution by:

- Picking up after your pets. Asking your landscaper to avoid blowing leaves and grass clippings onto sidewalks and streets.
- Applying fertilizers, herbicides and pesticides when rain is not expected.
- Picking up litter.
- Disposing of hazardous chemicals properly and by notifying City of Bee Cave (512-767-6675) of construction sites that aren't properly controlling storm-water runoff.

To know more, please visit our website HERE.

THE CITY OF BEE CAVE

BEE CAVE PUBLIC LIBRARY

www.beecavetexas.gov

Bee Cave Public Library
4000 Galleria Parkway
Bee Cave, TX 78738

512.767.6620
library@beecavetexas.gov

Hours of Operation:
Tues - Thurs 10 am - 7 pm
Fri - Sat 10 am - 5 pm
Closed Sunday & Monday

WE LOVE OUR VOLUNTEERS!

The library's annual Volunteer Appreciation Breakfast in May gave library staff an opportunity to thank the many teens and adults who donate their time and talents to help the library run smoothly. Stephanie Shelton, our Volunteer Coordinator, described how much their contributions mean to all of us and to the community as a whole.

The Friends of Bee Cave Public Library, the 501c3 nonprofit that helps support the library, donated small gift cards for all of the volunteers as a token of our appreciation. The Friends themselves received small gifts from the library as well.

The highlight of the morning was the presentation of scholarships by the Friends of the Library to our three graduating seniors: Jenny Wu, Julie Mathew, and Samantha Bryant.

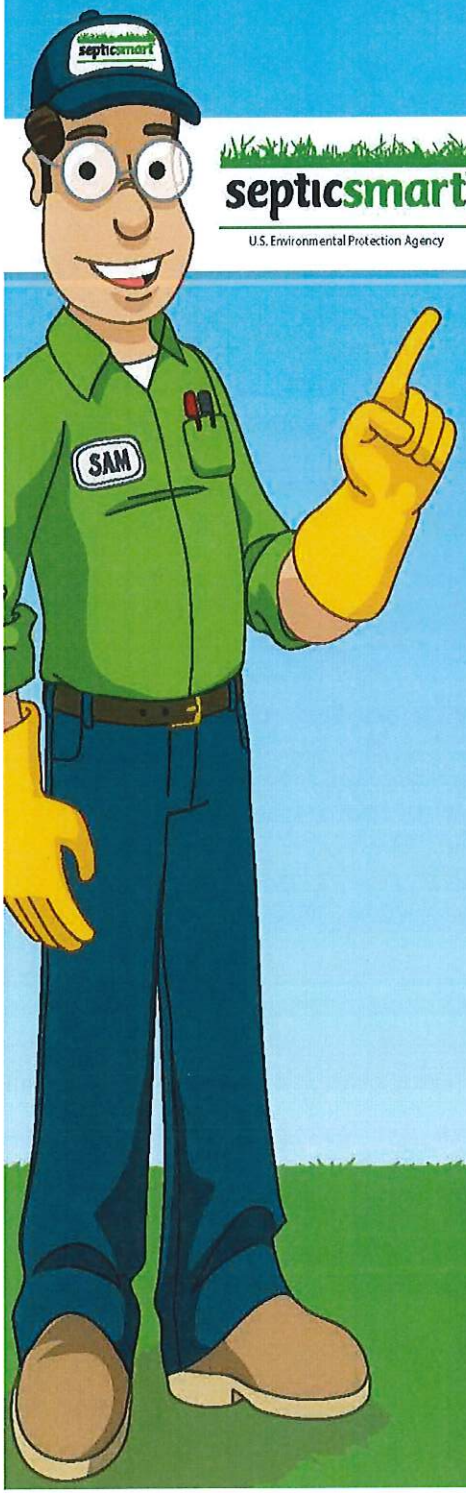
COMMUNITY REUSE & RECYCLING EVENT ANNOUNCED

The Lake Travis Regional Reuse and Recycling Center will be open Wednesday, June 21, to receive hazardous waste. This event is free to residents of Bee Cave, Lakeway, The Hills, and other utility entities--see details HERE. For more information, visit www.wcid17.org/services/reuse-recycling-hhw/

Do Your Part, Be SepticSmart:

The Do's and Don'ts of Your Septic System

Learn these simple steps to protect your home, health, environment and property value:



septicsmart
U.S. Environmental Protection Agency

Protect It and Inspect It:

Do:

- Have your system inspected (in general) every three years by a licensed contractor and have the tank pumped, when necessary, generally every three to five years.

Think at the Sink:

Don't:

- Pour cooking grease or oil down the sink or toilet.
- Rinse coffee grounds into the sink.
- Pour household chemicals down the sink or flush them.

Do:

- Eliminate or limit the use of a garbage disposal.
- Properly dispose of coffee grounds & food.
- Put grease in a container to harden before discarding in the trash.

Don't Overload the Commode:

Don't:

- Flush non-degradable products or chemicals, such as feminine hygiene products, condoms, dental floss, diapers, cigarette butts, cat litter, paper towels, pharmaceuticals.

Do:

- Dispose of these items in the trash can!

Shield Your Field:

Don't:

- Park or drive on your drainfield. The weight can damage the drain lines.
- Plant trees or shrubs too close to your drainfield, roots can grow into your system and clog it.

Do:

- Consult a septic service professional to advise you of the proper distance for planting trees and shrubs, depending on your septic tank location.

Don't Strain Your Drain:

Don't

- Concentrate your water use by using your dishwasher, shower, washing machine, and toilet at the same time. All that extra water can really strain your septic system.

Do:

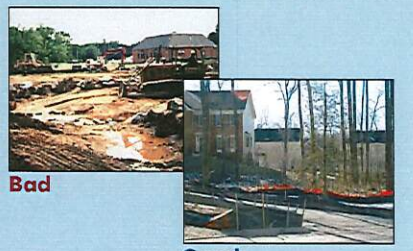
- Stagger the use of water-generating appliances. This can be helpful especially if your system has not been pumped in a long time.
- Become more water efficient by fixing plumbing leaks and consider installing bathroom and kitchen faucet aerators and water-efficient products.

For more SepticSmart tips, visit: **www.epa.gov/septicsmart**

EPA 832-R-13-002 • September 2013

Stormwater and the Construction Industry

Protect Natural Features



Bad

Good

- Minimize clearing.
- Minimize the amount of exposed soil.
- Identify and protect areas where existing vegetation, such as trees, will not be disturbed by construction activity.
- Protect streams, stream buffers, wild woodlands, wetlands, or other sensitive areas from any disturbance or construction activity by fencing or otherwise clearly marking these areas.

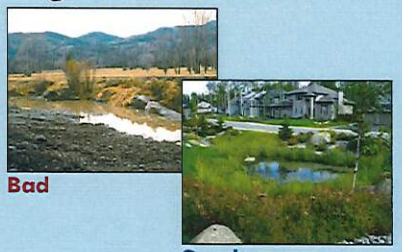
Construction Phasing

Bad

Good

- Sequence construction activities so that the soil is not exposed for long periods of time.
- Schedule or limit grading to small areas.
- Install key sediment control practices before site grading begins.
- Schedule site stabilization activities, such as landscaping, to be completed immediately after the land has been graded to its final contour.

Vegetative Buffers

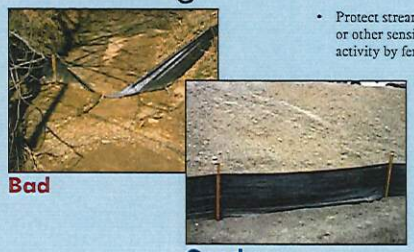


Bad

Good

- Protect and install vegetative buffers along waterbodies to slow and filter stormwater runoff.
- Maintain buffers by mowing or replanting periodically to ensure their effectiveness.

Silt Fencing



Bad

Good

- Inspect and maintain silt fences after each rainstorm.
- Make sure the bottom of the silt fence is buried in the ground.
- Securely attach the material to the stakes.
- Don't place silt fences in the middle of a waterway or use them as a check dam.
- Make sure stormwater is not flowing around the silt fence.

Maintain your BMPs!

www.epa.gov/npdes/menuofbmps

Site Stabilization

Bad

Good

- Vegetate, mulch, or otherwise stabilize all exposed areas as soon as land alterations have been completed.

Construction Entrances

Bad

Good

- Remove mud and dirt from the tires of construction vehicles before they enter a paved roadway.
- Properly size entrance BMPs for all anticipated vehicles.
- Make sure that the construction entrance does not become buried in soil.

Slopes

Bad

Good

- Rough grade or terrace slopes.
- Break up long slopes with sediment barriers, or under drain, or divert stormwater away from slopes.

Dirt Stockpiles

Bad

Good

- Cover or seed all dirt stockpiles.

Storm Drain Inlet Protection

Bad

Good

- Use rock or other appropriate material to cover the storm drain inlet to filter out trash and debris.
- Make sure the rock size is appropriate (usually 1 to 2 inches in diameter).
- If you use inlet filters, maintain them regularly.

What is MS4

MS4 (municipal separate storm sewer systems) is a network of drains that transports storm water runoff into local water bodies. In the City of Bee Cave, most storm water drains into Little Barton Creek, which eventually flows to the Colorado River.

Because the water that flows through the MS4 is untreated, it may mix with hazardous chemicals while traveling over land. It is crucial that citizens take steps to prevent pollution of our local water bodies.

Storm Water vs. Illicit Discharge

Storm water is rainwater that originates during a storm event. A portion of the rainwater does not soak into the ground and generates surface runoff. This storm water flows into surface drains and into an underground piping system before flowing into our creeks and rivers untreated and unfiltered. Along the way, this storm water can come into contact with hazardous substances and produce an illicit discharge. These substances can include oil, fertilizers, pesticides, and animal waste.

Illicit Discharge

How You Can Prevent Polluted Runoff

There are many steps that can be taken to prevent illicit discharges. They include:

- Picking up litter.
- Using pesticides and fertilizers sparingly.
- Picking up after your pets.
- Never dispose of grease, oil, and chemicals, into storm drains.
- Preventing soil erosion from runoff by maintaining landscaping.

Soil Erosion Tips....

Design the site to infiltrate stormwater into the ground and to keep it out of storm drains. Eliminate or minimize the use of stormwater collection and conveyance systems while maximizing the use of stormwater infiltration and bioretention techniques.

Minimize the amount of exposed soil on site.

- To the extent possible, plan the project in stages to minimize the amount of area that is bare and subject to erosion. The less soil exposed, the easier and cheaper it will be to control erosion.
- Vegetate disturbed areas with permanent or temporary seeding immediately upon reaching final grade.
- Vegetate or cover stockpiles that will not be used immediately.

Reduce the velocity of stormwater both onto and away from the project area.

- Interceptors, diversions, vegetated buffers, and check dams are a few of the BMPs that can be used to slow down stormwater as it travels across and away from the project site.
- Diversion measures can also be used to direct flow away from exposed areas toward stable portions of the site.
- Silt fences and other types of perimeter filters should never be used to reduce the velocity of runoff.

Protect defined channels immediately with measures adequate to handle the storm flows expected.

- Sod, geotextile, natural fiber, riprap, or other stabilization measures should be used to allow the channels to carry water without causing erosion. Use softer measures like geotextile or vegetation where possible to prevent downstream impacts.

Keep sediment on site.

- Place aggregate or stone at construction site vehicle exits to accommodate at least two tire revolutions of large construction vehicles. Much of the dirt on the tires will fall off before the vehicle gets to the street.
- Regular street sweeping at the construction entrance will prevent dirt from entering storm drains.
- Do not hose paved areas.
- Sediment traps and basins are temporary structures and should be used in conjunction with other measures to reduce the amount of erosion.

Maintaining all BMPs is critical to ensure their effectiveness during the life of the project.

- Regularly remove collected sediment from silt fences, berms, traps, and other BMPs.
- Ensure that geotextiles and mulch remain in place until vegetation is well established.
- Maintain fences that protect sensitive areas, silt fences, diversion structures, and other BMPs.

CITY OF BEE CAVE

4000 Galleria Parkway
Bee Cave, Texas 78738
512-767-6675
stormwater@beecavetexas.gov

City of Bee Cave

Storm Water and Construction

stormwater@beecavetexas.gov

Reporting Illicit Discharges

Call **512-767-6675**

or email **stormwater@beecavetexas.gov**

Include the following information:

- Specific location
- Date and time
- Description of the pollution
- Description of the violator, e.g. license plate number personal description (if applicable)
- Your contact information
- Email a picture if you can

PROUD TO BE
A Certified *Scenic* City

City of Bee Cave

4000 Galleria Parkway
Bee Cave, Texas 78738

Phone 512-767-6675
Email stormwater@beecavetexas.gov

Storm Water Runoff Prevention for Contractors and Construction Sites

CITY OF BEE CAVE

What is stormwater runoff?

Stormwater is water from rain or melting snow. It flows from rooftops, over paved streets, sidewalks and parking lots, across bare soil, and through lawns and storm drains. As it flows, runoff collects and transports soil, pet waste, salt, pesticides, fertilizer, oil and grease, litter, and other pollutants. This water drains directly into nearby creeks, streams and rivers, without receiving treatment at sewage plants. Polluted stormwater contaminates streams, rivers and lakes. It can kill or damage plants, fish and wildlife, while degrading the quality of our water.

THE CITY OF BEE CAVE

City of Bee Cave
4000 Galleria Parkway
Bee Cave, Texas 78738

Phone: 512-767-6675
E-mail: stormwater@beecavetexas.gov

PREVENT MOTOR OIL RUNOFF

STORMWATER
REPORTING LINE

512-767-6675

Appendix B

BMP 2: City Website

HOME | ABOUT US | CITY GOVERNMENT | RESIDENTS | BUSINESSES | VISITORS | SERVICES

HOW DO I?

- Planning & Development
  - Application Center
  - Planning
- Engineering
  - Application Center
  - Development Codes & Regulations
  - Maps
- Municipal Separate Storm Sewer System (MS4)
  - Stormwater FAQs
  - Stormwater Pollution Reporting/Concern Form
  - Schedule an Inspection
- Building Permitting & Inspections
- Code Compliance

City Government » Departments » Planning & Development » Engineering

Municipal Separate Storm Sewer System

Font Size: Share & Bookmark Feedback Print

Municipal Separate Storm Sewer System (MS4)

Polluted storm water runoff from urbanized areas is a major source of impairment to water quality in Creeks, Rivers, and Lakes. The City of Bee Cave recognizes the importance of protecting our natural resources and environment. The city has developed a 'Storm Water Management Program' (SWMP) outlining the measures it will develop and specific actions that the city will implement over the next five years to reduce pollution in storm water to the maximum extent practicable. The program documents 22 best management practices (BMPs) as part of minimum control measures to meet the small City MS4 permit requirements of the Texas Commission on Environmental Quality (TCEQ). These steps include: methods to detect and eliminate illicit discharges to the storm sewer system, modifying municipal operations to limit discharge of pollutants to the waterways, enforcement to restrict construction and post-construction site erosion and eventual sedimentation and increasing public awareness regarding water quality protection.

- Bee Cave Stormwater Management Program
- Bee Cave MS4 -Year 3 Annual Report
- Bee Cave MS4- Year 2 Annual Report
- TCEQ Approval Letter
- Stormwater Quality Educational Information
- Stormwater Quality Ponds Map

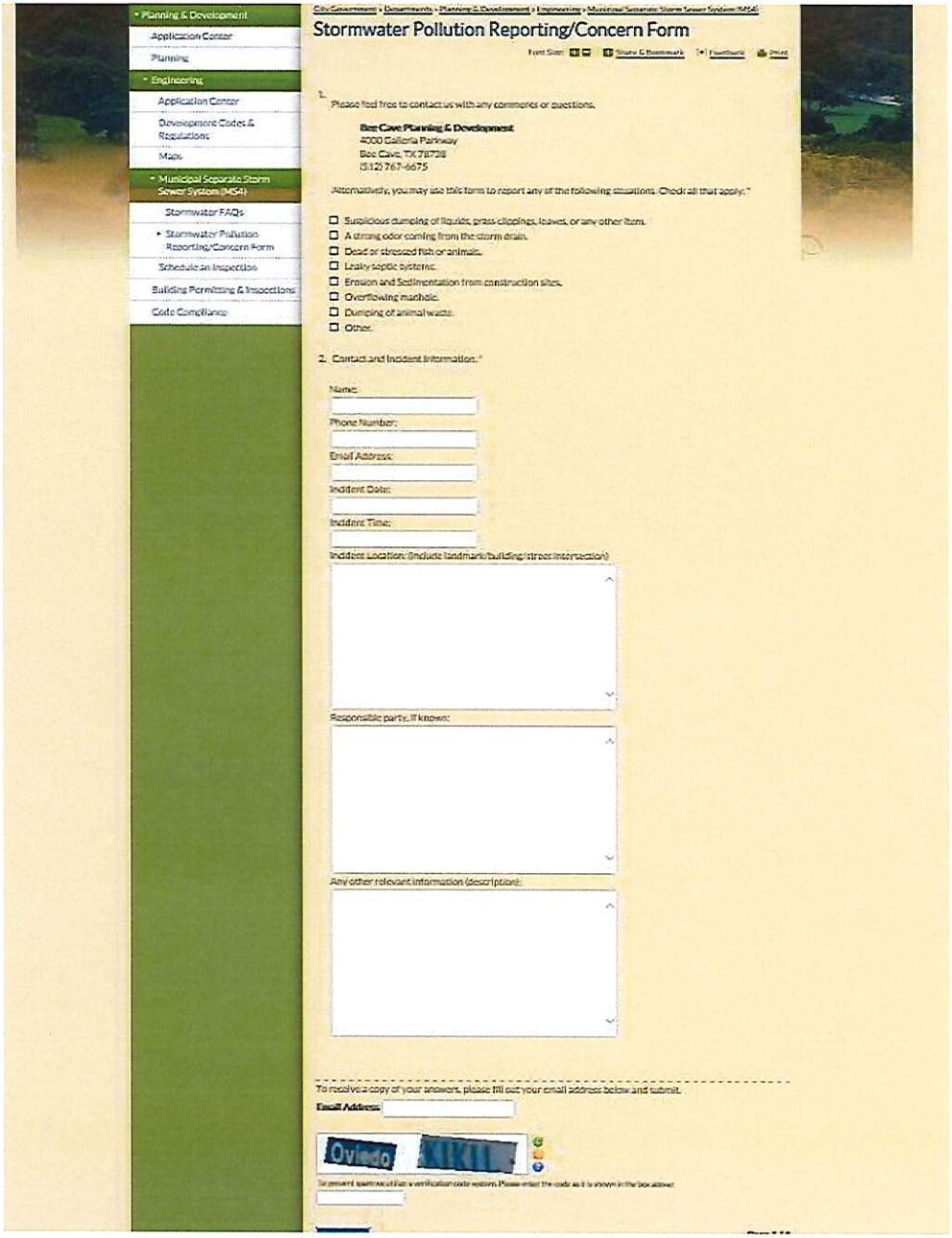
Report-A-Polluter

Spilling, dumping, or discharging chemicals, hazardous materials, dirt, debris, sediments, oil or unknown substance into ditches, creeks, rivers, curb drains, storm sewer, inlets, and manholes is a violation of federal, state, and local regulations. Allowing sediment or chemicals to wash off a construction site is also a violation.

If you see someone is doing any such act, please report such bad practices to City of Bee Cave Planning and Development Department at **512-767-6675** or send an e-mail to stormwater@beecavetexas.gov.

Appendix C

BMP 3: Reporting Form



- Planning & Development
  - Application Center
  - Planning
- Engineering
  - Application Center
  - Development Codes & Regulations
  - Maps
- Municipal Separate Storm Sewer System (MS4)
  - Stormwater FAQs
  - Stormwater Pollution Reporting/Concern Form
  - Schedule an Inspection
- Building Permitting & Inspections
- Code Compliance

City Government › Departments › Planning & Development › Engineering › Municipal Separate Storm Sewer System (MS4)

Stormwater Pollution Reporting/Concern Form

Font Size: Share & Bookmark | Feedback | Print

1.
Please feel free to contact us with any comments or questions.

Bee Cave Planning & Development
4000 Galleria Parkway
Bee Cave, TX 78738
(512) 767-6675

Alternatively, you may use this form to report any of the following situations. Check all that apply: *

- ☐ Suspicious dumping of liquids, grass clippings, leaves, or any other item.
- ☐ A strong odor coming from the storm drain.
- ☐ Dead or stressed fish or animals.
- ☐ Leaky septic systems.
- ☐ Erosion and Sedimentation from construction sites.
- ☐ Overflowing manhole.
- ☐ Dumping of animal waste.
- ☐ Other.

2. Contact and Incident Information: *

Name:

Phone Number:

Email Address:

Incident Date:

Incident Time:

Incident Location: (Include landmark/building/street intersection)

Responsible party, if known:

Any other relevant information (description):

To receive a copy of your answers, please fill out your email address below and submit.

Email Address:

Oviedo

To prevent spam we utilize a verification code system. Please enter the code as it is shown in the box above:

Appendix D

BMP 4: Waste Cleanup - Materials Collected in 2017

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Section A: Contact Information	
Instructions: Complete contact information below, updating the program contact if needed. Submit your report to HHW Program Manager at recycle@tceq.texas.gov	
Report Contact: Jason F. Homan	**Same as Program Contact?** ☐ Yes X☐ No
Address: 3812 Eck Lane	**City, ZIP:** Austin, TX 78734
Phone Number: 512-266-1111, ext. 113	**Email:** jhoman@wcid17.org
Program Contact: Linda Sandlin	New Contact? X☐ Yes ☐ No
Address: 3812 Eck Lane	City, ZIP: Austin, TX 78734
Phone Number: 512 266 1111, ext. 115	Email: lsandlin@wcid17.org

Section B: Collection Event Information	
Instructions: Complete the information below for the program(s) being reported	
Calendar Year Being Reported: **2017**	Multiple Events or Programs Reported? X☐ Yes ☐ No
Event Types Included in Report: ☐ Permanent Facility X Collection Event ☐ Point-of-Generation Collection	
Name and address of permanent facility or facilities being reported for: Lake Travis Regional Reuse & Recycling Center – 3207 Neidhardt Drive, Austin TX 78734	
Address and date of collection event(s) or community(s) for point-of-generation: 3207 Neidhardt Drive, Austin TX 78734 March 15, June 21, Sept. 13, and Dec. 9, 2017	
Material received from another HHW program during reporting year? ☐ Yes X☐ No	If "Yes" List:
Material transferred to another HHW program during reporting year? ☐ Yes X☐ No	If "Yes" List:

If you have questions on how to fill out this form or about the Household Hazardous Waste program, please contact us at 512-239-3143. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

Section C: Collection Amounts
Instructions: Complete this section designating **pounds** collected for the following categories and their management. Note: *if materials offered for reuse were not itemized, complete as best estimate or in*

Section C: Collection Amounts

total pounds offered at the bottom.

Material Type	Material Collected				Material Management			
	Permanent Facility	Collection Event (Mobile or 1-Day)	Point-of-Generation	Received from other HHW program(s)	Offered for Reuse at Event or Facility	Recycled (including energy recovery)	Disposed	Transferred to other HHW program (s)
1. Flammables	7357				251	7106		
2. Corrosives	1687					1687		
3. Oxidizers	360				24	336		
4. Pesticides, Herbicides, Fertilizers	1992				93	1899		
5. Batteries	3709					2889	820	
6. Automotive Fluids*	1181**				39	597	545	
7. Oil Filters***								
8. Paint/Paint-related****	30537				8116	22421		
9. Used Electronics	0							
10. CFLs & Mercury-Containing Equipment	25						25	
11. Other: Aerosol Cans	594					594		
TOTAL	47,442				8,523	37,529	1,390	

To Submit Your Report

Email this report to recycle@tceq.texas.gov by April 1 of each year.

*Reporting information provided here does not substitute for direct reporting to the Used Oil Program.

**Includes 55#s Yellow Oil

*** 75 Oil Filters each were recycled. Not included above; weight unknown.

**** Includes latex paint

Print Form
Reset Form

20 17 ANNUAL REPORTING FORM FOR USED OIL COLLECTION CENTERS

If you have questions on how to fill out this form or about the Used Oil Recycling Program, please contact us at 512/239-6832, option 2. Individuals are entitled to request and review their personal information the agency gathers on its forms. They may also have any errors in their information corrected. Any administrative changes must be made on the TCEQ Core Data Form (TCEQ 10400). To review such information, contact us at 512/239-3282.

*****Please return completed form to the TCEQ by JANUARY 25, 20 18 . *****

TCEQ Registration #: C89067

Name of Collection Center: Lake Travis Regional Reuse & Recycling Center

Mailing Address: 1102 Lohmans Crossing, Lakeway, TX 78734

Physical Address of Collection Center: 3207 Neidhardt Dr., Austin TX 78734

Contact Representative/Title: Linda Sandlin / Administrator Phone: 512 266 1111, ex 115

*****Please review the above information and make any necessary corrections and changes on the TCEQ Core Data Form (TCEQ-10400) *****

USED OIL COLLECTED
between January 1, 20 17 and December 31, 20 17 (report in gallons)

From Household Do-It-Yourselfers	597 Gallons	From Other Generators	gallons	From Your Facility (optional)	gallons

Who picks up your used oil? (If there are more than two transporters, please continue list on the back of this page.)

Transporter Name: H & H Oil - Austin
Address: 20909 FM 685, Pflugerville, TX 78660 Phone: 512 990 0888

Transporter Name:
Address: Phone:

Failure to disclose to the Commission any of the required information may result in loss of state contracts, non-issuance of registration or non-renewal of registration.

CERTIFICATION STATEMENT

I certify that the above information is true and correct to the best of my knowledge and that I will abide by TCEQ rules governing the collection, management and recycling of used automotive oil and used oil filters.

Signature: Linda R. Sandlin Date: 1-5-17

Signature Line 1

Print Name: Linda R. Sandlin

Any changes will have to be reported on the TCEQ Core Data Form TCEQ-10400 and/form TCEQ-0533 and attached to this report.

We appreciate your cooperation in completing this report which is required by the Texas Administrative Code Sections 324.7(1)(E) and 324.7(2)(E).

Texas Commission on Environmental Quality
Used Oil Recycling Program/Registration and Reporting Section (MC-129)
P.O. Box 13087, Austin, Texas 78711-3087

Reuse & Recycling Event

LAKE TRAVIS REGIONAL REUSE & RECYCLING CENTER
3207 NEIDHARDT DRIVE, AUSTIN, TEXAS 78734
[From 620, First Left off General Williamson, Behind the ESD 6 Fire station]

NEXT COLLECTION DATE: JUNE 21, 2017, 9:00 AM TO NOON

Collection events are free and open to residential customers of the utility partners. To drop off items, a resident/customer must present a driver's license or utility bill with an address in the jurisdictional boundaries of one of the following partners: the **City of Lakeway, City of Bee Cave, The Hills, Hurst Creek Municipal Utility District, Lakeway MUD, or Water Control and Improvement District (WCID) No. 17.** There is a 30 GALLON LIMIT for disposal each event. For any residents living outside this utility partnership there is a fee of $40.

Why is proper disposal important? – Improper disposal of HHW includes pouring them down the drain, on the ground, into storm sewers, or in some cases putting them out with the trash. The dangers of such disposal methods might not be immediately obvious, but improper disposal of these wastes can pose a potential hazard to your health as well as pollute the environment causing adverse effects on plants, fish, animals and people, as well as our drinking water source.

THE CENTER WILL ACCEPT:
- Household products — cleaning products, drain cleaners, oven cleaning solvents, degreasers, polishers, pool chemicals, household rechargeable batteries, mercury thermometers, gas grill propane tanks;
- Paint products — latex and oil-based paints, spray paints, preservatives, strippers, etc.; or,
- Automotive products — antifreeze, car batteries, oil, oil filters, transmission fluid, brake fluid, etc.

Accepted materials must be labeled and preferred to come in their original containers for transport.

THE CENTER CANNOT ACCEPT:
- Asbestos products — including linoleum tiles containing asbestos from older homes;
- Industrial waste — anything from a business;
- Medical waste — needles, prescriptions, etc.;
- Ammunition or explosives — fireworks, dynamite, flares, etc.;
- Radioactive waste — smoke detectors, etc.;
- Compressed gas cylinders — except for gas grill propane tanks;
- Tires;
- Appliances — small or large; or,
- Computers, printers, televisions, speakers, surround sound, other electronic equipment.

For unacceptable items at this center, you and residents that live outside of the partner jurisdictions are encouraged to take your waste items to the City of Austin & Travis County Household Hazardous Waste Facility.

Reuse & Recycling Event

LAKE TRAVIS REGIONAL REUSE & RECYCLING CENTER
3207 NEIDHARDT DRIVE, AUSTIN, TEXAS 78734
[From 620, First Left off General Williamson, Behind the ESD 6 Fire station]

NEXT COLLECTION DATE: September 13, 2017,

9:00 AM TO NOON

Collection events are free and open to residential customers of the utility partners. To drop off items, a resident/customer must present a driver's license or utility bill with an address in the jurisdictional boundaries of one of the following partners: the **City of Lakeway, City of Bee Cave, The Hills, Hurst Creek Municipal Utility District, Lakeway MUD, or Water Control and Improvement District (WCID) No. 17.** There is a 30 GALLON LIMIT for disposal each event. For any residents living outside this utility partnership there is a fee of $40.

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- Household products — cleaning products, drain cleaners, oven cleaning solvents, degreasers, polishers, pool chemicals, household rechargeable batteries, mercury thermometers, gas grill propane tanks;
- Paint products — latex and oil-based paints, spray paints, preservatives, strippers, etc.; or,
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- Radioactive waste — smoke detectors, etc.;
- Compressed gas cylinders — except for gas grill propane tanks;
- Tires;
- Appliances — small or large; or,
- Computers, printers, televisions, speakers, surround sound, other electronic equipment.

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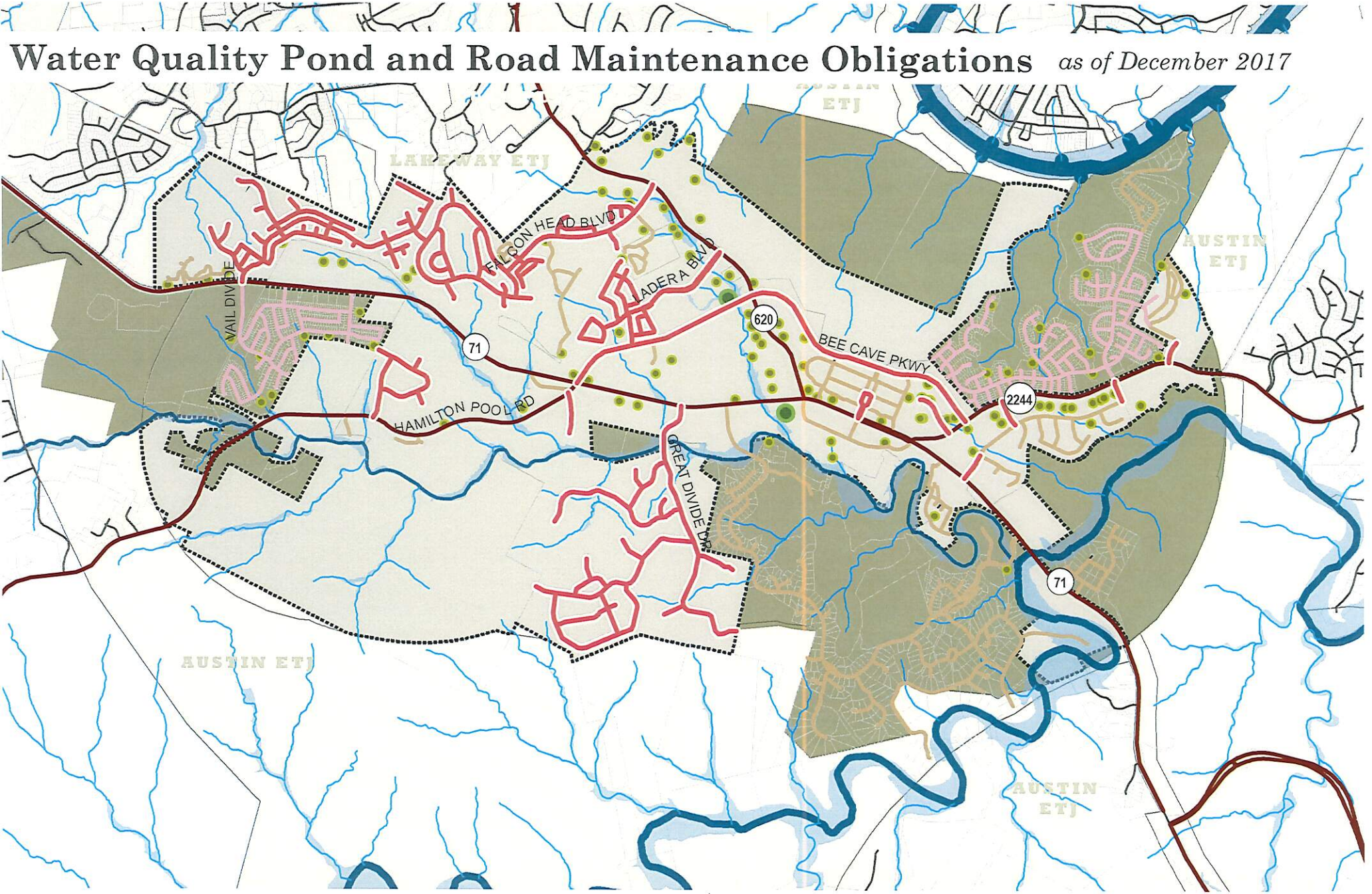
Appendix E

BMP 6: City of Bee Cave Storm Sewer System (/Water Quality Ponds) Map

Water Quality Pond and Road Maintenance Obligations *as of December 2017*



Pond Maintenance Responsibility

- Public
- Private*

*e.g. Property/Homeowners' Association Municipal Utility District

Road Maintenance Responsibility

- City of Bee Cave
- TXDOT
- Travis County
- Private
- Unknown/Other**

- Bee Cave Corporate Limits
- Bee Cave ETJ
- Jurisdictions Beyond Bee Cave

- Creeks & Rivers
- Colorado River
- Barton Creek
- Little Barton Creek
- 100 Year Floodplain

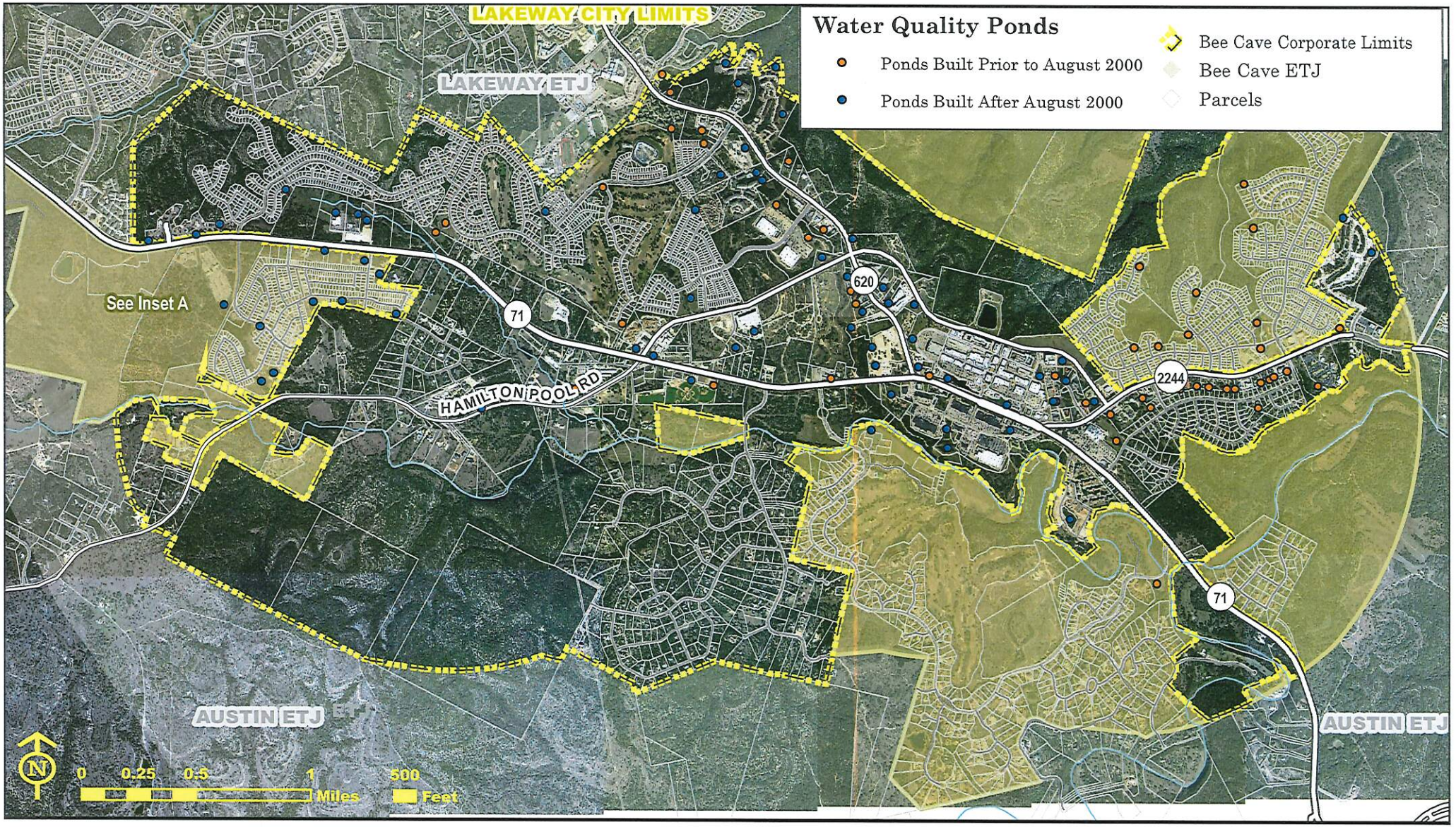
0 0.25 0.5 1 Miles

500 Feet

N

03.05.2018

**Outside Bee Cave City and ETJ Limits

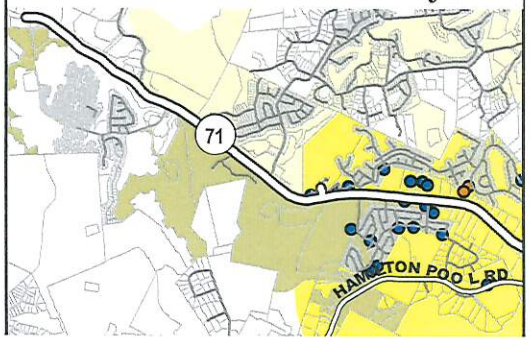


Bee Cave: *Stormwater Treatment Ponds as of Feburary 2018*

What is Non-Point Source Pollution?

Water quality ponds treat Non-Point Source (NPS) Pollution. Non-point Source Pollution is stormwater contamination that is attributable to diffuse sources, such as oil and grease from vehicles; sediment from improperly managed construction sites; and excess fertilizers, herbicides, and insecticides. Such pollution results in the human-made or human-induced alteration of the chemical, physical, biological, and/or radiological integrity of stormwater. With much of its jurisdiction within the Little Barton Creek Watershed and the Edwards Aquifer Contributing Zone, Bee Cave has prioritized management of this issue through caps in impervious cover and requiring on-site stormwater pollutant removal at the time of development. There are several approved approaches to removing excess phosphorus, nitrogen, oil, grease, sediments, and other water pollutants, but among the most common in Bee Cave are water quality and detention ponds, which are often used in combination. This map depicts the location of these ponds

A. Western ETJ Boundary



Appendix F

BMP 9: Spill Response Report

Incidents by City and Type

1/1/2017 To 12/31/2017

Lake Travis Fire Rescue
Travis County ESD 6

		Total
BEE CAVE	411-Gasoline or other flammable liquid spill	1
	413-Oil or other combustible liquid spill	2
	City Total	**3**
Total		**3**

Appendix G

BMPs 7, 13, 18: Employee Training

Certificate of Completion

AS VERIFICATION OF PARTICIPATION IN THE EWRI CONTINUING EDUCATION EVENT

12th Annual EWRI Austin Chapter Workshop
Texas Storm Water:
Staying Ahead of the Curve

BASED ON PARTICIPATION
7.3 PROFESSIONAL DEVELOPMENT HOURS (PDH) AND
7.3 CONTINUING EDUCATION CREDITS (CEC) WERE COMPLETED

Lee Sherman, P.E.
Austin EWRI Branch President
June 16, 2017

EWRI
ASCE
AUSTIN CHAPTER

Freese and Nichols Austin
Office; 10431 Morado Cir
Suite 300, Austin, TX
78759

11:30 a.m. - 1:30 p.m.

2 PDH

Instructor:
Stephanie Coffman, P.G.;
Kimberly K. Patak, P.E.,
CFM, ENV SP, CPESC

Certificate of Completion

awarded to

MD Hossain

for successfully completing

Evolving Approaches to Evolving Streams

July 22, 2016

Robert F. Pence, CEO

Hydro Certified

Hydro International®

Md Hossain

Is awarded **0.75** Professional Development Hours for the successful completion of:

The Future of Filtration

March 24th, 2017

Phil Taylor
Stormwater Product Specialist
Hydro International
ptaylor@hydro-int.com

3/4 Hour Webinar
0.75 PDH (Personal Development Hour)
www.hydro-int.com

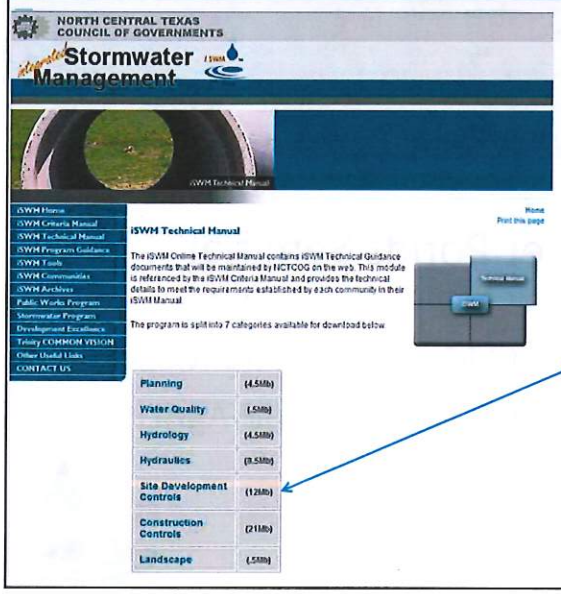
Stormwater Ponds Seminar

Lesley Brooks, P.E., CFM – Freese and Nichols
Fouad Jaber, PhD, P.E. – Texas A&M AgriLife

Agenda

- Basics of Stormwater Ponds
- Design Criteria
- Design Calculations and Layouts
- Maintenance and Inspection
- Greening Your Detention Pond: Integrating Detention Ponds in LID Design
- Review of Texas AgriLife Pond

Material Location



http://iswm.nctcog.org/technical_manual.asp

Site Development Controls Manual, Section 22

Basics of Stormwater Ponds

FREE **WebEd**

AGC of America
THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA
Quality People. Quality Projects.

What General Contractors Need to Know about EPA's New Construction General Permit for Stormwater Discharges

Welcome

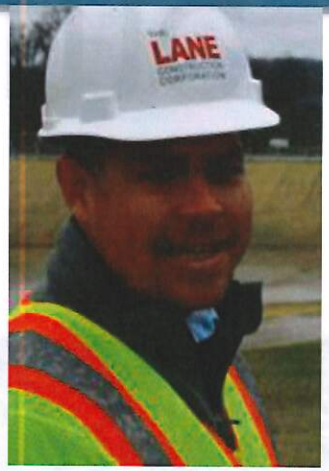
Wednesday, March 1, 2017

1:30-3:00 p.m. EDT

Today's Agenda & Presenters

1. **Permit Requirements**
2. **Contractor Questions**
3. **Resources & Tools**

Emily Halter
Water Permits Division
U.S. Environmental Protection Agency



Chris Monahan
Chair, AGC's Environmental Forum
Sr. Environmental Manager
for The Lane Construction Corp

Leah Pilconis
Sr. Environmental Advisor
to AGC of America

Learning Objectives

- Understand the regulatory framework that governs stormwater discharges from construction activities and the potential for enforcement actions by environmental agencies, local governments and environmental groups.
- Become familiar with the 2017 CGP and recognize the new requirements that likely will set the standard for state stormwater discharge permits for construction projects.
- Learn how to start and stop coverage under the 2017 CGP and other practical aspects of permit compliance.
- Find out about the latest AGC-supported online compliance tools, including a state-specific stormwater resource locator.

Stormwater Requirements That Impact Construction on Active Sites

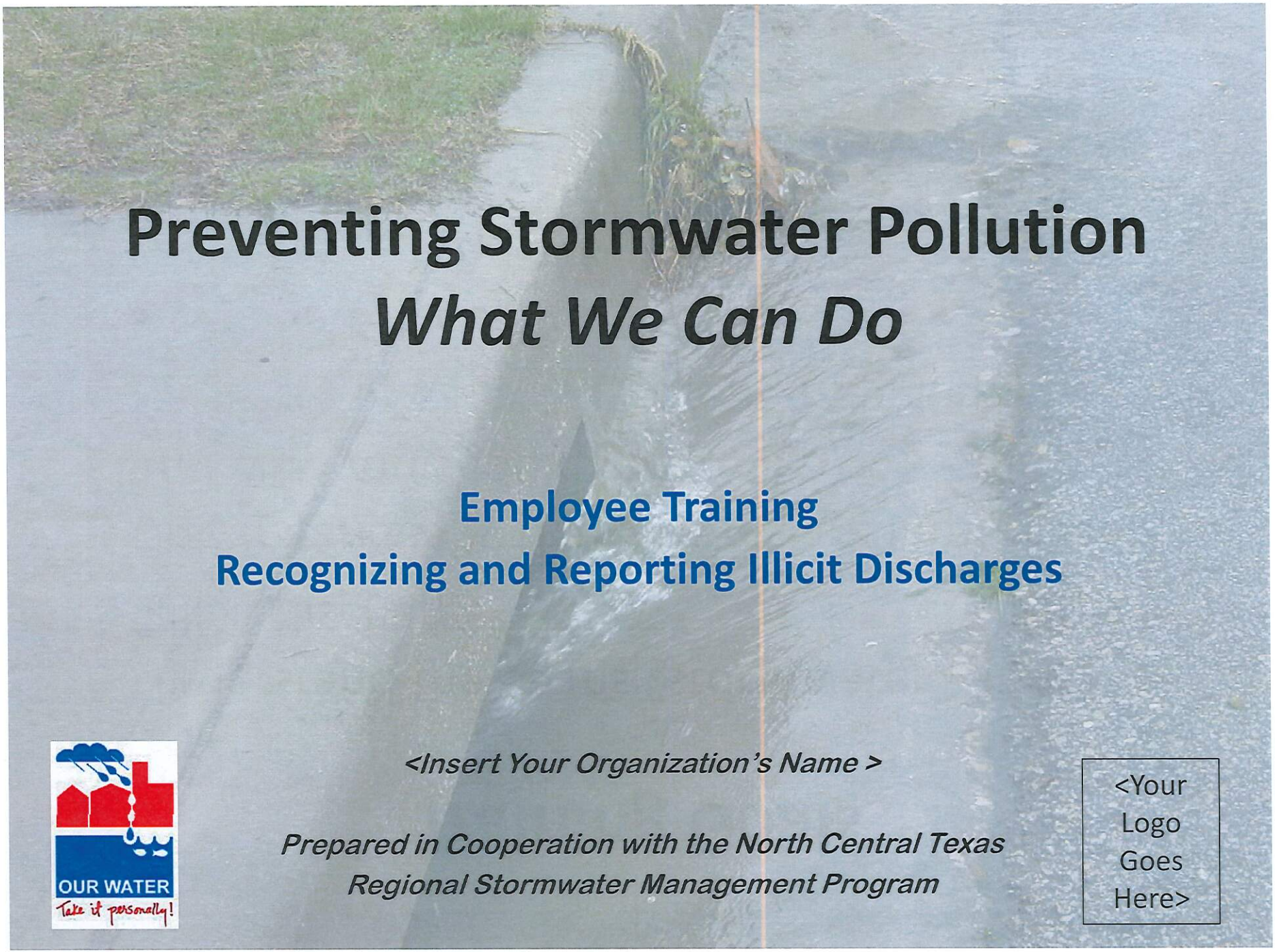
- Federal or State NPDES Permits (Construction General Permit or CGP)
- Local Laws/Ordinances
  - Regulated municipalities (MS4s) must develop/implement local control of construction site and post-construction stormwater runoff – per fed and state laws
- Two Separate Programs
  - Construction "operator" must comply with both if project in regulated MS4 jurisdiction

USEPA's 2017 Construction General Permit

- Model for state-issued permits; directly applies where USEPA remains the NPDES permitting authority
- Notable changes:
  - Electronic NOI, NOT & waiver reporting; addt'l reqmt's for notice of permit coverage signs; a modified approach to land stabilization deadlines, plus a directive to temporarily stabilize all inactive stockpiles and land clearing piles; addt'l protection for construction/domestic waste containers; new restrictions on runoff from building washdowns; stricter controls demo bldgs w/ PCBs

See ***AGC's Environmental Observer***: EPA Finalizes 2017 Construction Stormwater Permit (Jan 19 2017)

See **AGC's effective comments** on fed's proposed permit, www.regulations.gov **Docket ID**: EPA-HQ-OW-2015-0828



Preventing Stormwater Pollution
What We Can Do

Employee Training
Recognizing and Reporting Illicit Discharges

OUR WATER
Take it personally!

<Insert Your Organization's Name >

Prepared in Cooperation with the North Central Texas Regional Stormwater Management Program

<Your Logo Goes Here>

Training Goals

- Understand the terms “stormwater” and “illicit discharge”
- Understand why these terms are important and why you should care
- Understand what you can do to help prevent stormwater pollution
- Understand how to recognize and report illicit discharges (pollution)

Taking the Risk Out of Erosion Control

Speaker:
Jill Pack, CPESC
North American Green

#ErosionControl

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