Texas Department of Transportation
Year 1 Annual Report

Volume II



Municipal Separate Storm Sewer System
(MS4) Permit Number WQ0005011000

Texas Department of Transportation
Environmental Affairs Division
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February 2018

Attachment FF

Annual Reports for Interim Months between Last Reporting Periods of Expired Permits to the Permit Effective Date of this Statewide Permit

Reports are ordered alphabetically by District name, then by Phase I and Phase II permit.

Abilene District

ABILENE DISTRICT, TEXAS DEPARTMENT OF TRANSPORTATION

TPDES Permit No. WQ00004692000
Revised MS4 Phase I Annual Report

1. STATUS OF IMPLEMENTING THE STORM WATER MANAGEMENT PROGRAM

During the required reporting period, January 1, 2016 through December 31, 2016, the Abilene District of the Texas Department of Transportation has complied with the schedule as implemented in the permit.

2. PROPOSED CHANGES TO THE STORM WATER MANAGEMENT PROGRAM

The Abilene District of the Texas Department of Transportation updated and revised the SWMP to meet current TCEQ controls and standards.

3. REVISION TO THE ASSESSMENT OF CONTROLS AND FISCAL ANALYSIS

The Abilene District of the Texas Department of Transportation has no proposed revisions.

4. SUMMARY OF DATA

The City of Abilene collected wet and dry weather samples during the reporting period as per the permit and reported the sampling data.

5. ANNUAL EXPENDITURES AND BUDGETED EXPENDITURES

Taylor County and Jones County Maintenance offices do not differentiate funds specifically within the phases areas.

6. ENFORCEMENT ACTIONS, INSPECTION AND PUBLIC EDUCATION PROGRAMS

Enforcement Actions:

The Department of Transportation is a regulatory agency and has no enforcement powers.

Inspections:

During the reporting period, four Texas Department of Transportation construction projects were undertaken within the permitted boundary. All construction sites were monitored continually. Routine maintenance, record keeping, and inspections were completed as required by the permit. There were no permit violations issued during the reported period.

Public Education:

Statewide and/or locally, TxDOT's promotion of public reporting includes the following:

- Produce information materials to let the public know what measures TxDOT is taking to protect water quality, including brochures, an environmental newsletter, the "Earth Watch" column in Transportation News, and newspaper inserts -- print public service announcements (PSAs). TxDOT has developed an informational brochure for the general public, interested organizations, and other government entities outlining TxDOT's efforts in water quality protection.

- Prepare information for existing publications, such as *Texas Highways* magazine ("For the Road" feature and editor's column), the General Land Office newsletter, *Environomics*, the TCEQ newsletter, Waterfront, the *Keep Texas Beautiful* newsletter, and *Grassroots*.

- Use existing TxDOT programs, such as the Don't Mess with Texas and Adopt-a-Highway programs, for more than litter abatement. Adopt-a-Highway activities can be aimed at landscaping, tree planting, and using highway Right-of-Ways for native grasses and species habitat. Additionally, Adopt-A-Highway volunteers can serve as citizen monitors for water quality and highway runoff on their adopted stretches of highway.

- Become a partner in the Clean Texas 2000 program, a statewide effort led by the TCEQ. TxDOT has joined with TCEQ in producing a television public service announcement (PSA) aimed at reducing the illegal dumping of used motor oil.

- Expand existing training programs to familiarize TxDOT employees about office waste recycling.

- Disseminate data from ongoing research projects with the University of Texas and Texas A&M University. By request, TxDOT's construction storm water manual has been provided to a number of municipalities, consultants, contractors and other DOT's.

Measurable Goal: TxDOT uses decals on its vehicles to promote vehicle registration, traffic safety, and its environmental programs. Unmistakable environmental slogans such as "Drive Clean Across Texas", "Hey, You Dropped Something", and the legendarily effective "Don't Mess With Texas" are displayed as decals on TxDOT's vehicles. Such slogans are quite visible to the traveling public during the time that the vehicles are on the road or parked at construction or maintenance sites adjacent to the road. TxDOT will identify the vehicles that are thus placarded and log the time that the vehicles are away from the office. The vehicle exposure time will be tabulated and included as part of our public education efforts. TxDOT will initiate a campaign to increase the number of vehicles that are thus placarded with the intent of increasing public exposure even further. TXDOT will continue to track other advertising expenses and printed material distribution and include this information in the annual report. All pre-construction meetings held prior to commencement of construction project activities within the permitted boundaries included discussion with the contractor of the water issues and control measures required as per the permit.

7. LITTER CONTROL MEASURES

The following litter control operations and programs were in place during the reporting period within the permitted boundary.

Adopt-A-Highway Program:
During the reporting period, 36 groups of the Adopt-A-Highway Program volunteer litter collection program collected on the Texas Department of Transportation roadways within the permitted boundary. The trash was disposed of in a certified landfill.

Maintenance Operations:
Texas Department of Transportation, Taylor County and Jones County Maintenance Section conducted mechanized sweeping of the department highways within the boundary of the permitted area. Sweeping operations are conducted on Farm to Market, State Highway, US Highway, Interstate, and Business Interstate Roadways within the permitted area. The litter is collected and disposed of in a certified landfill.

8. STRUCTURAL CONTROLS

City of Abilene is responsible for operation and maintenance activities for structural controls within their area of control of the MS4 permitted boundary.

TxDOT continued operation and maintenance activities for structural controls. Operation and maintenance activities include: inspecting, cleaning and repairing storm sewers; controlling

weeds in ditches; inspecting, cleaning and repairing outfalls within their area of control, the TxDOT roadway system Right-of-Way (ROW); within the MS4 permitted boundary.

Measurable Goal: TxDOT records all of the maintenance activities.

9. AREA OF NEW DEVELOPMENT AND SIGNIFICANT REDEVELOPEMENT

Design Concept meetings are held during the transportation planning process. Project site conditions are evaluated for water quality control features, contingent upon what is practicable. TxDOT promotes the use of vegetation, including grassy swales and vegetated filter strips, as a storm water control feature.

Measurable Goals: TxDOT addresses the structural controls during the planning, design, and project development process and the resultant controls that were implemented.

10. ROADWAY

TxDOT's ongoing floatable control programs include litter prevention through public education. These programs are effective and will continue. The litter prevention programs are implemented statewide. Billboard advertisements and highway signs that include; "Don't Mess With Texas," are displayed along Texas Highways to educate the public.

TxDOT also uses its vehicles to promote public education. Many TxDOT fleet vehicles have anti-litter and anti-pollution slogans which are visible to the public when the vehicles are en route to the sites or while parked at the site.

The "Adopt-A-Highway" program is part of TxDOT's public involvement efforts. It is a volunteer program where local groups adopt a two mile section of roadway for a minimum of two years.

Measurable Goals: TxDOT's "Don't Mess with Texas" and "Adopt-A-Highway" programs are successful programs that other State DOT's are utilizing as models.

11. FLOOD CONTROL PROJECTS

The City of Abilene is responsible for the flood control projects in the Phase I area.

Measurable Goal: There is no measurable goal for this Measurable Control Measure.

12. PESTICIDE, HERBICIDE AND FERTILIZER APPLICATION

TxDOT uses certified personnel for applications involving pesticides, herbicides and fertilizers. TxDOT only applies fertilizers for new grass or replacement grass and does not routinely apply fertilizer to existing grass. TxDOT does routinely apply herbicides for vegetation control around traffic signs and other transportation appurtenances in the ROW.

The three day Herbicide Certification Training course is conducted every year.

During the reporting period, TxDOT continued distribution of an educational brochure that addresses proper management of pesticides, herbicides and fertilizers to reduce the impact of potential pollutants.

Measurable Goal: For calendar year 2016, the Abilene District trained personnel in herbicide equipment use and in herbicide certification. In Addition, the Abilene District trained participants in hazard communication.

13. PREVENTING ILLICIT DISCHARGE AND IMPROPER DISPOSAL, NON-STORM WATER

TxDOT continued efforts to prevent illicit discharges during the reporting year. TxDOT also continued to investigate potential illicit discharges as described in the SWMP.

Measurable Goal: TxDOT did not note any third party illicit discharges to the MS4 system during the reporting period. TxDOT did not receive any requests for treated wastewater discharges to the MS4 during the reporting period. TxDOT does not allow these types of discharges.

14. OVERFLOWS AND INFILTRATION

This program does not apply to TxDOT. The City of Abilene operates a centralized sewer system that serves most of the wastewater needs within the service area of the MS4.

15. FLOATABLES, MS4 SCREENING AND ILLICIT INSPECTIONS

The City of Abilene is responsible for floatables monitoring, MS4 screening and illicit inspections.

16. HOUSEHOLD HAZARDOUS WASTE AND USED MOTOR VEHICLE FLUIDS

The City of Abilene is responsible for the household hazardous waste. Brochure material describing the proper management of used oil and toxics are distributed during the reporting period. TxDOT has implemented an annual training program regarding proper management of used oil and toxics in the workplace.

Measurable Goal: TxDOT Abilene District has personnel trained annually.

17. SPILL PREVENTION AND RESPONSE

Where indicated, TxDOT employees attended the Hazardous Materials – Small Quantity Incidents/Spill Response Training for Laboratories and Work Areas course which included containment procedures for storm sewers and storm water inlets.

Measurable Goal: staff members have been trained for Spill Response.

18. INDUSTRIAL AND HIGH RISK RUNOFF

This program does not apply to TxDOT.

19. CONSTRUCTION SITE RUNOFF

During the reporting period, TxDOT continued existing programs and implemented activities described in the SWMP for the control of pollutants in runoff from construction sites. TxDOT utilizes the Storm Water Pollution Prevention Plan (SWP3) with each construction site. TxDOT staff and contractors are trained to inspect and control the storm water runoff.

Measurable Goal: Storm water control Best Management Practices (BMPs) are incorporated in the engineering design and approved by the District Engineer prior to any construction. Documentation of site inspections is kept with the SWP3 manual. Changes to the BMPs are noted in the SWP3.

20. MONITORING PROGRAMS: DRY WEATHER SCREENING, WET WEATHER SCREENING, REPRESENTATIVE STORM EVENT MONITORING

The City of Abilene is responsible for the dry weather screening, wet weather screening, and representative storm event monitoring. Statewide and/or locally, TxDOT's promotion of public reporting includes the following:

- Produce informative materials to let the public know what measures TxDOT is taking to protect water quality, including brochures, an environmental newsletter, and the

"Earth Watch" column in Transportation News, newspaper inserts, and print public service announcements (PSAs). TxDOT has developed an informational brochure for the general public, interested organizations, and other government entities outlining TxDOT's efforts in water quality protection.

- Prepare information for existing publications, such as *Texas Highways* magazine ("For the Road" feature and editor's column), the General Land Office newsletter, *Environomics*, the TCEQ newsletter, *Waterfront*, the *Keep Texas Beautiful* newsletter, and *Grassroots*.
- Use existing TxDOT programs, such as the Don't Mess with Texas and Adopt-a-Highway programs, for more than litter abatement. Adopt-a-Highway activities can be aimed at landscaping, tree planting, and using highway Right-of-Ways for native grasses and species habitat. Additionally, Adopt-A-Highway volunteers can serve as citizen monitors for water quality and highway runoff on their adopted stretches of highway.
- Become a partner in the Clean Texas 2000 program, a statewide effort led by the TCEQ. TxDOT has joined with TCEQ in producing a television public service announcement (PSA) aimed at reducing the illegal dumping of used motor oil.
- Expand existing training programs to familiarize TxDOT employees about office waste recycling.
- Disseminate data from ongoing research projects with the University of Texas and Texas A&M University. By request, TxDOT's construction storm water manual has been provided to a number of municipalities, consultants, contractors and other DOT's.

Measurable Goal: TxDOT uses decals on its vehicles to promote vehicle registration, traffic safety, and its environmental programs. Unmistakable environmental slogans such as "Drive Clean across Texas "," Hey, You Dropped Something, and the legendarily effective "Don't Mess with Texas" are displayed as decals on TxDOT's vehicles. Such slogans are quite visible to the traveling public during the time that the vehicles are on the road or parked at construction or maintenance sites adjacent to the road. TxDOT will identify the vehicles that are thus placarded and log the time that the vehicles are away from the office. The vehicle exposure time will be tabulated and included as part of our public education efforts. TxDOT will initiate a campaign to increase the number of vehicles that are thus placarded with the intent of increasing public exposure even further. TXDOT will continue to track other advertising expenses and printed material distribution and include this information in the annual report.

21. SUMMARY

The Abilene District of the Texas Department of Transportation feels that the implementation of the MS4 regulation requirements during the reporting period has generally been effective

in reducing the amount of erosion from Texas Department of Transportation construction projects within the permitted boundary. Furthermore, the litter collection has reduced the amount of solids that could potentially be introduced into receiving waters within the permitted boundary.

Texas Department of Transportation



Texas Department of Transportation – Abilene District

Year 5 Annual Report
TPDES Phase II MS4 General Permit No. TXR040158

Including 2010 Census Urbanized Area

Reporting Period: August 13, 2016 – November 30, 2016

Bobby Burke, Abilene District

Permit No.: TXR040158 / TxDOT Abilene District

Phase II (Small) MS4 Annual Report Form
TPDES General Permit No. TXR040158

A. General Information

1. Permit No. TXR040158 Annual Report Period: August 13, 2016 – Nov. 30, 2016

   Name of MS4 / Permittee: Texas Department of Transportation – Abilene District

   Contact Name: Bobby Burke Telephone Number: 325-676-6835

   Mailing Address: 4250 North Clack, Abilene, Texas 79601-9241

   E-mail Address: bobby.burke@txdot.gov

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes ____X___ No

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

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X_____ No

   If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

4. Is this a system-wide annual report including information for all permittees? _____ Yes ____X___ No

Explanation, if any _____

_____

_____

5. Has a copy of this annual report been submitted to the TCEQ Regional Office? ___ ____ Yes ____X____ No

B. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. 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

_____

b. If Yes to the above, has the TCEQ already approved the original SWMP? ____ ___ Yes ____ ___ No

N/A _____

_____

c. If Yes to the above, indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) ____ Yes ____X___ No

N/A

2. The MS4 has annexed lands since obtaining permit coverage. _____ Yes ____X___ No

3. A receiving water body is newly listed as impaired or a TMDL has been established. _____ Yes ___X____ No

4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes _____X__ No

Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

C. Narrative Provisions.

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and	**X**		As described in Table 1 in Part

approved by the TCEQ.			D, we (Abilene District) are in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	**X**		This report brings us current with the reporting requirements. Supporting records can be inspected at the address indicated on the NOI.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	**X**		We meet the eligibility requirements described in Part II.C., including those requirements pertaining to TMDLs and compliance history.

2. Provide a general assessment of the appropriateness of the selected BMPs:

   Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? _____ Yes ____X___ No

   Provide explanation:
   _____The BMP's are appropriate._____

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

While we do not have analytical data that demonstrates a measurable pollutant reduction, progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) can be quantified in terms of BMP implementation and progress towards meeting our measurable goals. This is consistent with 40 CFR §122.34, which states "Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the maximum extent practicable.'' Even though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that said litter will pollute storm water. Although not quantified, this results in a reduction of pollutants in storm water run off.

The progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) for the district can be measured by implementing the following BMPs:

MCM-1, BMP: Visitors and Public Service Employees

Public education and outreach on storm water impacts can improve storm water quality discharged to the MS4. Providing the public with educational materials on the effect of pollution in storm water runoff assists in reducing the discharge of pollutants to the MEP. The project was not to the level of impact to require a Public Meeting or Hearing. To meet the requirements of this MCM, TxDOT water quality bookmarks, coloring books, and flyers were distributed and available at the West Texas Fair and at all TxDOT public meetings.

MCM-1, BMP: Education of Construction Site Personnel

Site personnel who are directly involved in construction activities within the TxDOT right of way can directly influence the quality of storm water runoff discharged from the MS4. Providing them with educational materials on the effect of pollution in storm water runoff assists in reducing the discharge of pollutants to the MEP. There was one pre-construction meeting for a project that was in the MS4 Phase II area. While no educational materials were provided at the pre-construction meeting, numerous trainings were offered to TxDOT personnel including:

SFH42	Hazard Communication (Comp.)
SFH43	Hazard Materials Awareness
MNT41	Herbicide Certification

MNT41 Herbicide Equipment Training

MCM-2, BMP: Adopt-A-Highway Program

Providing educational materials on the effect of pollution in storm water runoff to the volunteers, and removing floatables and other solid waste materials from the right of way have reduced the discharge of pollutants to the MEP. Approximately two miles of FM 707 were adopted in the Phase II area. There are records of two roadway adoption group collecting litter within the limits of their area; therefore, 55 bags of trash were picked up on FM 707.

MCM-3, BMP: Develop Storm Sewer Outfall Inventory Map

This map was determined to be an appropriate BMP for locating and tracking potential illicit discharges to the MS4, and will assist in reducing the discharge of pollutants to the MEP. The district mapped outfalls within the MS4 area.

MCM-3, BMP: Update Outfall Locations

There were no new development projects within the MS4 Phase II area.

MCM-3. BMP: Implement MS4 Outfall Screening (Dry Weather Screening)

Regulated outfalls were screened for dry weather flow and potential illicit discharges. The monitoring was determined to be an appropriate BMP for adequately locating and tracking potential illicit discharges to the MS4 Phase II area, and will assist the district in reducing the discharge of pollutants to the MEP. The district monitored all outfalls and identified no dry weather flows; therefore, no corrective action was required.

MCM-4, BMP: Compliance with the CGP on TxDOT Projects

The selected BMP was determined to be an appropriate BMP for controlling Construction Site Storm Water Runoff. This practice ensures compliance with the TPDES construction general permit and has assisted the district in reducing the discharge of pollutants to the MEP. As a TxDOT policy at each permitted TxDOT construction site, an appropriate Construction General Permit (CGP) Construction Site Notice (CSN) and, when necessary, (Notice of Intent) NOI are posted. In permit year 4, there was one project within the limits of the Phase II boundaries.

MCM-4, BMP: Identify and report discharges from construction sites outside of TxDOT ROW

The selected BMP was evaluated and determined to be an appropriate BMP for controlling Construction Site Storm Water Runoff. This assisted TxDOT to limit the discharge of pollutants to the regulated MS4 from construction activities outside of the TxDOT right of way and jurisdiction. In permit year 4, the District identified 0 discharges to the MS4 from construction projects outside the TxDOT ROW that may have inadequate SWP3 measures or controls.

MCM-5, BMP: Identification and Selection of Structural Control Measures

The selected BMP was evaluated and determined to be an appropriate BMP for Post-Construction Storm Water Management in New Development and Redevelopment. This ensures that appropriate storm water control measures are included in construction plans to address storm water runoff and will assist the district in reducing the discharge of pollutants to the MEP. In permit year 4, TxDOT developed one project within the Phase II MS4 area that required a CGP NOI or CSN.

MCM-5, BMP: Maintenance of Permanent Control Measures

The inspection and maintenance of permanent control measures to ensure that control measures remain in good condition and continue to control storm water runoff have reduced the discharge of pollutants to the MEP. Approximately 100% of the Phase II area was surveyed. Routine maintenance activities were performed twice a year, including the occasional and irregular removal of trash and debris from culverts.

MCM-6, BMP: Facility Inspections

The selected BMP was evaluated and determined to be an appropriate BMP for Pollution Prevention and Good Housekeeping for Municipal Practices. This ensured that inspections were completed on all district facilities in the Phase II MS4 at least once per permit term. This BMP assisted the district in reducing the discharge of pollutants to the MEP. No inspections were done in permit year 4.

MCM-6, BMP: Employee Training

The selected BMP is to ensure Abilene employees attend at least one training class per permit term. The BMP was evaluated and determined to be an appropriate BMP for providing information to personnel on environmental issues that can encourage the control of the discharge of pollutants in the MS4 from Abilene operations. This BMP will assist Abilene in reducing the discharge of pollutants to the MEP. The following training classes are provided to the employee:

SFH42 Hazard Communication (Camp.)

SFH43 Hazard Materials Awareness
MNT41 Herbicide Certification
MNT41 Herbicide Equipment Training

MCM-6, BMP: Disposal of Waste

The selected BMP was evaluated and determined to be an appropriate BMP for Pollution Prevention and Good Housekeeping for Municipal Practices. This ensures removal and proper disposal of solid wastes from roadways. This BMP will assist the district in reducing the discharge of pollutants to the MEP. In permit year 4, the District removed litter and debris twice per year.

MCM-6, BMP: Inspection of Structural Controls for Sand and Ice Rock Storage Areas

The selected BMP was evaluated and determined to be an appropriate BMP for Pollution Prevention and Good Housekeeping for Municipal Practices. At least once per year, the district will inspect the structural controls for sand or ice rock used to de-ice roadways if it is stored in the Phase II MS4 area. During inspections, the structural controls will be evaluated for any needed maintenance, repair, or replacement. This will assist the district in reducing the discharge of pollutants to the MEP. During permit year 4, only chemical de-icer was used. This was stored in an enclosed storage facility. No sand or ice rock was stored in the Phase II MS4 area. Therefore, no inspection of structural controls was needed or done.

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

The SWMP implementation program met or exceeded the permit year five goals. No projects took place in Phase II area.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated via notices of intent or site notices:

TxDOT received 0 NOI and 0 Construction Site Notices.

6. Does the permittee utilize the 7th MCM related to construction? _____ Yes ____X___ No

   If Yes, then provide the following information:

   a. The number of municipal construction activities authorized under this general permit: _____N/A__ _____

   b. The total number of acres disturbed for municipal construction projects: _____N/A__ _____

   Though the 7th MCM is optional, this must be requested on the NOI or on a NOC and approved by the TCEQ.

7. Requirements for Specific Minimum Controls Measures (MCMs):

   a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM. See Attachment A

   b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.). See Attachment A

   c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

      Not applicable; we utilize the list in the permit.

8. Describe any proposed changes to the SWMP in the coming reporting year.

   N/A

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

   This is the annual report for the 5th year of the current permit term. Activities for August 13, 2016- November 30, 2016 are to be determined following the issuance of the next Phase II MS4 permit and development of the SWMP for the permit.

D. Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)*

Table 1 – Year 3 BMP and Measurable Goals Status

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Year 3 Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal, -Exceeded Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1 - Public Education and Outreach on Storm Water Impacts	Flyers and Brochures (Target Audience - Visitors)	Distribute flyers and brochures during public events that serve the Phase II MS4 area.	Date of distribution, event, and type of material distributed, and estimated quantity distributed.	"Don't Mess with Texas" litter bags, seed packets with storm water brochure, Water Conservation flyers, "Sky and River" stickers, and "Only Rain Down the Drain" temporary tattoos were distributed at the West Texas Fair. 'Don't Mess with Texas' advertising reaches statewide audience.	Completed	Met Goal	N
MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects requiring a CGP NOI that are in the Phase II MS4 area and provide water quality guidance materials.	Date of distribution, project requiring CGP NOI, type material distributed, and estimated quantity distributed.	There was one pre-construction meeting for projects requiring a CGP NOI within the Tye Phase II MS4. (SW3P and MS4 topics are always covered.) Training courses were also required for TxDOT personnel.	Completed	Met Goal	N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Record date of events, number of miles of roadway targeted, and bags or pounds of material removed.	Two miles were adopted in the Phase II MS4 permit area. There were no reported collection activities during the reporting period.	Completed	Met Goal	N
MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	Identify from the roadway plans and map on a schedule such that every outfall is mapped.	Miles of roadway in the MS4 Phase II permit area, percent of roadways mapped, and list or map of storm sewer outfalls.	Review of as-built plans was completed.	Completed	Met Goal	N

MCM 3 - Illicit Discharge Detection and Elimination	Update Storm Sewer Outfall Inventory Map	Update the map to include new and relocated outfalls for the same roadways that were mapped in developing the inventory map. To be done on a schedule such that the map is updated by the end of the 5 year implementation period.	Methods used to update the map, number of new and/or relocated outfalls, and list or printed map of new and/or relocated outfalls added to the inventory map.	Mapping of outfalls was completed.	Completed	Met Goal	N
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen outfall on the most current map available on a schedule such that all outfalls will be screened by the end of the 5 year implementation period.	List of outfalls screened, date of screening, number of illicit dry weather flows identified, and outcome of any necessary follow-up actions resulting from the screening.	Surveys for illicit discharges were completed.	Completed	Met Goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	Implement plan to ensure TxDOT complies with and requires its contractors to comply with the CGP.	Record the number of CGP NOIs for large projects and CSNs for small projects, locations of projects, dates of inspections, results of inspections, and, if needed, outcome of follow up actions	There is one new project within the boundary area. One CSN for a small project. Project is located on US 84 just south of IH 20 over the UPRR, and is currently complete.	Completed	Met Goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Identify and report discharges from construction sites outside of TxDOT's ROW with inadequate controls.	Identify discharges to the MS4 from construction projects outside the TxDOT ROW that may have inadequate SW3P controls. Report findings to local government for resolution.	Record dates of inspections, number of construction sites identified, results of inspections, and, if needed, outcome of follow up actions.	Detected 0 discharges to TxDOT's MS4 from outside the TxDOT ROW that may have inadequate SW3P measures or controls. No follow up actions required.	Completed	Met Goal	N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and	Identification and Selection of Structural Control Measures	Identify and select stormwater runoff controls during project design for new development and redevelopment of transportation facilities. Incorporate stormwater controls into project plans to	Document stormwater controls considered during project design and the stormwater controls that were included in the project plans.	There is one new project within the boundary area. One CSN for a small project. Project is located on US 84 just south of IH 20 over the UPRR, and is currently completed.	Completed	Met Goal	N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Maintenance of Permanent Control Measures	Survey permanent controls on a schedule such that all controls are surveyed at least once during the permit term. Identify and schedule any needed maintenance.	Inspect permanent control measures on TxDOT roadways in Phase II MS4 permit area. Record percent of MS4 area inspected, date of inspection, results of inspection, and, if needed, results of follow up actions.	Inspection of permanent control measures was completed in permit year 5. No maintenance needs were identified. In permit year 5, scheduled street sweeping was completed 2 times; scheduled hand sweeping was completed 4 times.	Completed	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	ENV PPA will inspect maintenance facilities in the MS4 permit area once per permit term and provide a Facility Operations Environmental Advisory Survey Report.	Document number of inspections, date of inspections, results of inspections, and, if needed, outcome of follow up actions.	There are no facilities within the Phase II area that require a Facility Operations Environmental Advisory Survey Report.	Completed	Met Goal	N

MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	TxDOT employees working in the MS4 permit area will attend at least one training class per permit term.	Record number of employees working the in the permit area, training courses held, dates of training, and number of participants per class.	There are 4 online training course offered to employees working in the permit area.	Completed	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Remove and ensure proper disposal of litter and debris from roadways in the Phase II MS4t area by street sweeping.	Record volume, weight, or other appropriate measure of amount litter and debris removed.	Trash and debris was removed from culverts as needed.	Completed	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand and ice rock storage areas.	Inspect structural controls at least once per permit year if sand and ice rock are used.	If sand or Ice rock is stored in the Phase II MS4 area, record date of inspection, results of inspection, and, if needed, results of follow up actions.	No sand or ice rock was stored for de-icing. No inspection was needed or done.	Completed	Met Goal	N

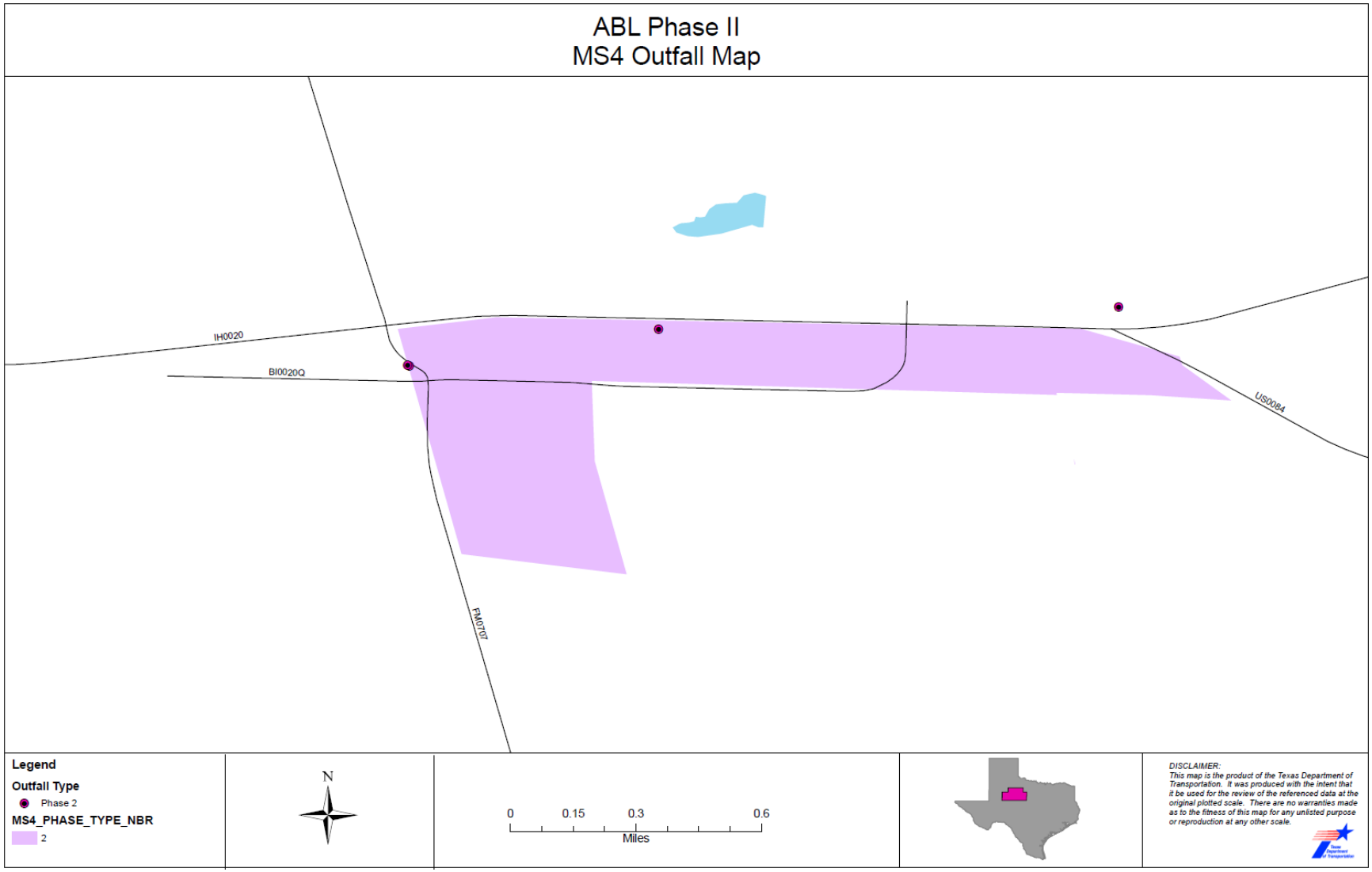
Attachment A

TABLE 1
DOCUMENTATION OF THE ACTIVITIES CONDUCTED,
MATERIALS USED, AND AMOUNT OF RESOURCES USED TO ADDRESS EACH GROUP
TO FULLFILL THE MCM -1 (PUBLIC EDUCATION AND OUTREACH)

Activities	Target Group (visitor, public service employees, or construction personnel)	Locations	Materials/Resources	Quantity
Pre-construction Meeting	Construction Personnel	Abilene District Office	Project Plans	1 Construction Activity
West Texas Fair	Visitor	Taylor County Expo Center	Flyers and Handouts	200
Training	Public Service Employees	Abilene District Training Center	Herbicide Equipment Use Herbicide Certification Hazard Communication Spill Response	2 (personnel) 3 9 3

Attachment B

OUTFALL MAPPING AND OUTFALL LOCATION TABLE


ABL Phase II
MS4 Outfall Map
IH0020
BI0020Q
US0084
FM0707
Legend
Outfall Type
Phase 2
MS4_PHASE_TYPE_NBR
2
N
0
0.15
0.3
0.6
Miles
DISCLAIMER:
This map is the product of the Texas Department of Transportation. It was produced with the intent that it be used for the review of the referenced data at the original plotted scale. There are no warranties made as to the fitness of this map for any unlisted purpose or reproduction at any other scale.

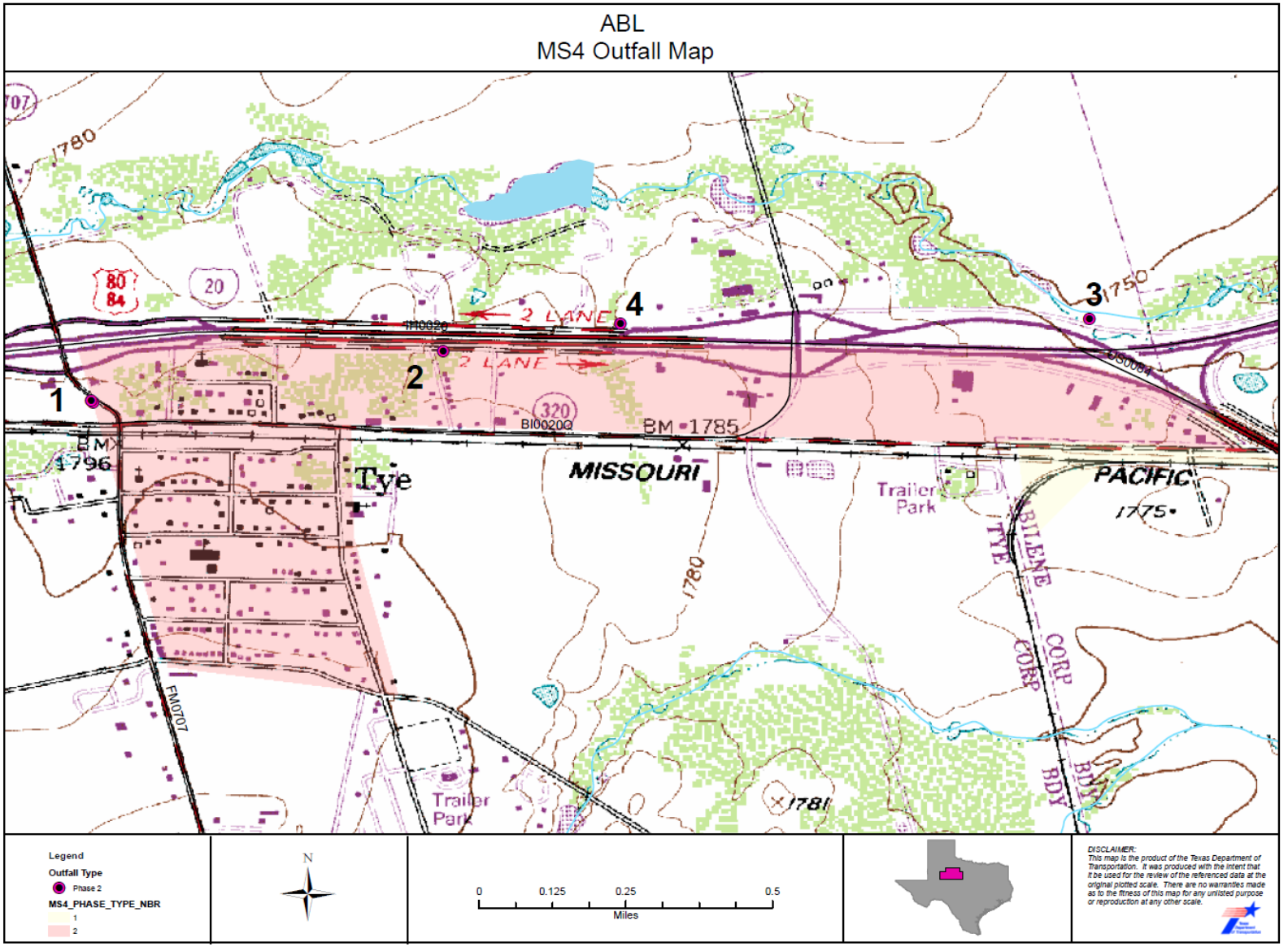
OUTFALL MAPPING AND OUTFALL LOCATION TABLE

TxDOT Abilene District MS4 Phase II Outfall Data: Reporting Year 2														
PAD_ID	OF_LOC_NM	OF_ACCESS	LOC_DSCR	OF_LAT	OF_LON	OF_TYPE	OF_CNFG	OF_SHAPE	OF_NBR	*OF_HT	*OF_BTMWDTH	*OF_TPWDTH	MATERIAL	STATUS
1	ABD001	Y	West Side of FM 707, 400 Feet South of IH 20	32.45824866173	-99.8721847873	OF	OC	N	1	2.000	2.000	5.000	E	P
2	ABD002	Y	West Side of FM 707, 390 Feet South of IH 20	32.45827593641	-99.8722338205	OF	OC	N	1	2.000	2.000	5.000	E	P
3	ABD003	Y	South Side of IH 20, 80 Feet East of East Street	32.45951720092	-99.8635599825	OF	OC	N	1	2.000	2.000	5.000	E	P
4	ABD004	Y	North Side of IH 20, 3000 Feet West of FM 707	32.46029488579	-99.8476515605	OF	OC	N	1	2.000	2.000	5.000	E	P

*Width and depth measurements were not measured in the field and may be inaccurate. The values for width and depth are default values, entered to satisfy PBSJ data QA/QC requirements.

Attachment C

Map 1
DOCUMENTATION OF THE ACTIVITIES CONDUCTED
TO FULLFILL THE MCM -3 (Storm Sewer Outfall Inventory Map)


ABL
MS4 Outfall Map
1
2
3
4
2 LANE
2 LANE
BM 1785
BM 1796
Tye
MISSOURI
PACIFIC
Trailer Park
Trailer Park
BILENE
TYE
CORP
BDY
FM0707
1780
1750
1775
1781
Legend
Outfall Type
Phase 2
MS4_PHASE_TYPE_NBR
1
2
N
0
0.125
0.25
0.5
Miles
DISCLAIMER:
This map is the product of the Texas Department of Transportation. It was produced with the intent that it be used for the review of the referenced data at the original plotted scale. There are no warranties made as to the fitness of this map for any unlisted purpose or reproduction at any other scale.

Amarillo District

Texas Department of Transportation



Texas Department of Transportation- Amarillo District

Year 4 Annual Report

TPDES MS4 General Permit No. WQ0004678000

September 1-
November 30, 2016
Report

The Texas Department of Transportation (TxDOT) Amarillo District (District) is permitted to discharge storm water under the Texas Pollutant Discharge Elimination System (TPDES) Municipal Separate Storm Sewer System General Permit Number WQ0004678000 (Permit). TxDOT has an Inter-local Agreement (Agreement) with the City of Amarillo (City) to comply with Permit requirements. In this Agreement, both the City and the District have separate responsibilities for compliance with Permit conditions. Compliance activities must be documented in an Annual Report for submission to the Texas Commission on Environmental Quality (TCEQ). Per the Agreement, the City shall submit the required Annual Report, with input from the District regarding its reporting responsibilities. This document presents the District's reporting responsibilities, in the order stated by the Permit, for incorporation into the Annual Report.

Structural Controls

Policies and procedures to address structural controls are listed in the Texas Department of Transportation's (TxDOT's) *Standard Specifications for Construction and Maintenance of Highway, Streets, and Bridge,* the *Maintenance Manual,* and the *Herbicide Operation Manual, A Practical Guide to the Establishment of Vegetative Cover on Highway Right-of Way.*

As per the agreement between the City and TxDOT, the City shall be responsible for all dry weather screening including illicit connection surveys, and all wet weather screening, including monitoring, sampling and analysis.

The City shall employ a full time storm water inspector whose duties shall include all dry and wet weather screening activities, coordination with the various city departments, coordination between the City and TxDOT, and the submission of all required reports.

TxDOT has yearly maintenance contracts for periodic mowing of the right-of-way; sweeping the roadway; cleaning of inlets, pipes and boxes; and two contracts for litter removal. Re-vegetation contracts are done when needed.

All herbicide application is performed by certified TxDOT employees on an as needed basis.

Areas of New Development or Significant Redevelopment

Policies and procedures to address areas of new development or significant redevelopment are listed in TxDOT's *Storm Water Management Guidelines for Construction Activities* Manual; the *Storm Water Field Inspector's Guide;* the *Hydraulics Manual;* the *Standard Specifications for Construction and Maintenance of Highway, Streets, and Bridge;* and the *Maintenance Manual.*

Examples of some of the policies addressing these issues are:

Item 7 – Legal Relations and Responsibilities in the 2014 Texas Standard Specs Handbook

- Section 7.1 - Cultural Resources. Cease all work immediately if a site, building, or location of historical, archeological, educational, or scientific interest is discovered within the right ofway. The site, building, or location will be investigated and evaluated by TxDOT.

- Section 7.2 - TPDES Permits and Storm Water Pollution Prevention Plans (SWP3). The Department will file the Notice of Intent (NOI) and the Notice of Termination (NOT) for work shown on the plans in the right of way. Adhere to all requirements of the SWP3.
- Section 7.3 - Work in Waters of the United States. For work in the right of way, the Department will obtain any required Section 404 permits from the U.S. Army Corps of Engineers before work begins. Adhere to all agreements, mitigation plans, and standard best management practices required by the permit. When Contractor-initiated changes in the construction method changes the impacts to waters of the U.S., obtain new or revised Section 404 permits.

Roadways

Policies and procedures to address areas of maintenance practices are listed in TxDOT's *Storm Water Management Guidelines for Construction Activities Manual;* the *Storm Water Field Inspector's Guide;* the *Hydraulics Manual;* the *Standard Specifications for Construction and Maintenance of Highway, Streets, and Bridge;* and the *Maintenance Manual.* Litter is removed by contract and by TxDOT employees.

All stockpiled materials will have current Best Management Practices (BMPs) in place to minimize discharge of pollutants.

Any entities applying for use of TxDOT's right-of-way will comply with the *Storm Water Management Guidelines for Construction Activities* Manual, the *Right-of-Way* Manual, and the *Utility Accommodation Policy.*

In addition, new policies have been implemented to address asbestos removal before the demolition on bridges.

Flood Control Projects

The district's environmental study process is based, in part, on the National Environmental Policy Act (NEPA) of 1969, the Federal Highway Administration's Technical Advisory T6640.8A, and the TxDOT's *Environmental Manual.*

All flood control projects for TxDOT are subject to the following criteria:

- Determination of impacts to surface waters in the state and waters of the United States
- Coordination with and permitting by the United States Army Corps of Engineers
- Section 401 (Clean Water Act) requirements as promulgated by the Texas Commission on Environmental Quality
- NEPA environmental study process
- The District must consider whether a water body is "impaired" per the State of Texas 2008 Clean Water Act Section 303(d) List
- The District considers structural and water quality requirements of department's *Storm Water Management Guidelines for Construction*

Pesticide, Herbicide, and Fertilizer Applications

All herbicide application is completed by certified TxDOT employees on an as needed basis.

Illicit Discharges and Improper Disposal

Non-Storm Water

If any non-storm water discharges are found during routine inspections, they are reported to both the City and the TCEQ. TxDOT is a non-regulatory agency and has no enforcement powers.

Overflows and Infiltration

If any overflows and infiltration are found during routine inspections, they are reported to both the City and the TCEQ. TxDOT is a non-regulatory agency and has no enforcement powers.

Floatables

The District and the City have an agreement whereby the District will construct retention ponds on any new construction within the boundaries of the Phase I MS4 Permit and the City will maintain the ponds.

Household Hazardous Waste and Used Motor Vehicle Fluids

As part of the agreement with the City, the City maintains these programs.

MS4 Screening and Illicit Inspections

If any non-storm water discharges are found during routine inspections, they are reported to both the City and the TCEQ. TxDOT is a non-regulatory agency and has no enforcement powers.

Elimination of Illicit Discharges and Improper Disposals

The City has ordinances in place to handle illicit discharges and improper disposals. If any non-storm water discharges are found during routine inspections, they are reported to both the City and the TCEQ. TxDOT is a non-regulatory agency and has no enforcement powers.

Spill Prevention and Response

The District has spill prevention and response policies in place that include:

- Contact Drew Theiss, District Hazardous Materials Coordinator
- Hazardous materials coordinator will notify TCEQ as soon as possible but not later than 24-hours after spill discovery
- TCEQ is the lead agency for hazardous material spill response
- Clean-up: determine a responsible party

- Telephone numbers for following departments are made available to all employees along with training on when and who to call:
  - Department of Public Safety: 806-468-1300
  - Texas Commission on Environmental Quality: 806-353-9251
  - Railroad Commission: 877-228-5740
  - Department of Health: 806-352-5005
  - Texas Parks and Wildlife Department: 806-379-8900
  - TxDOT Environmental Affairs Division: 512-416-3001
  - Environmental Protection Agency: 800-887-6063

TxDOT's role in emergency spill response is to provide support to the lead agency, Department of Public Safety (DPS), TCEQ, or local fire marshal in the containment and cleanup. The following policies in place include:

- TxDOT staff restricts public access and provides traffic control at the site until relieved by DPS
- Reports of all pertinent information go to the TxDOT supervisor; then the supervisor reports information to the district hazardous material coordinator
- The District engineer/hazardous materials coordinator notifies appropriate governmental agencies such as TCEQ, DPS and local fire department
- DPS performs the on-site coordination of transportation emergencies for all unincorporated areas; and the fire marshal for all incorporated areas
- TCEQ acts as the lead state agency for spill response

Industrial & High Risk Runoff

The City has ordinances in place to handle industrial and high risk runoff. If any non-storm water discharges are found during routine inspections, they are reported to both the City and the TCEQ. TxDOT is a non-regulatory agency and has no enforcement powers.

Construction Site Runoff

TxDOT uses a variety of methods to meet this program element, including forms, policies, and guidelines. The following forms are used:

- NOI forms and TCEQ instructions
- Construction Site Notice forms (for large and small construction activities)
- Design, inspection, record-keeper, and maintenance supervisor checklists
- Checklists for District Environmental Quality Coordinator (DEQC) Advisory Surveys
- Inspection Report Forms

- NOT form and TCEQ instructions
- Inspector Qualification form

In addition, the following are used to guide this program element:

- Executive Director's signature authority memo
- Power Point Training slides-SW3P class and Section 401 Tutorial
- TxDOT Amarillo District's standard SW3P Narrative Sheet

Construction Site Runoff Policies and Guidelines

Policies and guidelines are included in the following TxDOT Item, from TxDOT's *Storm Water Management Guidelines for Construction Activities:*

ITEM 506: TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS

506.1. Description. Install, maintain, and remove erosion, sedimentation, and environmental control devices to prevent or reduce the discharge of pollutants in accordance with the Storm Water Pollution Prevention Plan (SW3P) on the plans and the Texas Pollutant Discharge Elimination System (TPDES) General Permit TXR 150000. Control measures are defined as Best Management Practices used to prevent or reduce the discharge of pollutants. Control measures include, but are not limited to rock filter dams, temporary pipe slope drains, temporary paved flumes, construction exits, earthwork for erosion control, pipe, construction perimeter fence, sandbags, temporary sediment control fence, biodegradable erosion control logs, vertical tracking, temporary or permanent seeding, and other measures. Erosion and sediment control devices must be selected from the *Erosion Controlled Approved Products* or *Sediment Control Approved Products* lists. Perform work in a manner as to prevent degradation of receiving waters, facilitate project construction, and comply with applicable federal, state, and local regulations. Ensure the installation and maintenance of control measures is performed in accordance with the manufacturer's or designer's specifications.

The Construction Inspector's Report is completed at the frequency shown in the plans, during which time the Inspector checks the following:

- Disturbed areas, discharge locations, erosion control BMPs, sediment control BMPs
- Concrete truck washout areas, areas where litter, debris, and trash collect
- Postings, Material stockpiles, areas where vehicles enter or leave the site
- Portable sanitary facilities, construction material storage areas
- Parking/equipment storage areas, chemical/fuels storage areas

In addition, the Environmental Affairs Division's Scope Development Tool covers all environmental commitments.

The DEQC completes the following to maintain compliance:

- inspect projects with permits and mitigation requirements: quarterly while work is being performed;
- inspection of other construction projects: one inspection of one project for every area engineer per quarter while construction activities are being performed;
- Completes the first Construction Stage Gate Checklist within 30 days of the commencement of soil disturbing activities. Additional CSGCs are performed based on the duration and complexity of the project.

TxDOT offers numerous storm water and erosion control training courses related to construction. The following training course was attended by TxDOT employees in 2016:

- Storm Water Pollution Prevention Plan (ENV 103)
- Training made available to contractors, consultants, etc

Public Education

Statewide components for Public Participation in the Storm Water Management Program include:

- "Don't Mess with Texas" and "Adopt a Highway"
- The Texas Department of Transportation, statewide, plants over 30,000 pounds of wildflower seeds each year. Educational information on the care, planting, and maintenance of wildflowers is posted on the TxDOT website.

Local components for Public Participation in the Storm Water Management Program include:

- Pre-construction meetings, present all environmental issues
- SW3P training classes are open to contractors, consultants, builders, developers, and the public
- "Adopt-a-Highway" currently has a total of 15 groups with 112 miles adopted, as follows:
  - Randall County has 6 groups.
  - Potter County has 9 groups.
- "Don't Mess With Texas" promotes multiple litter reduction programs that include the "Adopt-A-Highway", Campus Cleanup", "Trash Off". And "Keep Texas Beautiful".

Educational and promotional information is posted on the TxDOT website under the Environmental Programs and Campaigns Storm Water Program link.

Monitoring Programs

The City completes and oversees all monitoring programs associated with the permit.

Expenditures

The Amarillo District did not purchase any new promotional items such as rain gauges and printed materials in the September 1 – November 30, 2016 time period.

Fiscal 17 (Sept 1-November 30) – BY THE NUMBERS

During Fiscal Year 2017, September 1 – November 30, the District had the following measurable goals and/or Permit activities:

One (1) NOI was open or re-opened for 1 project within the MS4.

Approximately 365 cubic feet of trash was picked up by the TxDOT contractor along the roadways for this period.

The Amarillo District spent $48,027.74 to clear trash around the Amarillo area.

In 2017, TxDOT did not distribute printed environmental storm water materials such as posters, coloring books, and book covers at public venues and school districts. TxDOT continues to reduce paper consumption and waste by providing the public with educational and promotional materials via the TxDOT website.

Classes for TxDOT employees within the MS 4 area including storm water education:

CON816	Construction Stage Gate Chklist – 1 employee participated
CON817	Completing SW Inspection Chklist - 1 employee participated
DES 908	How to Create an EPIC Sheet - 4 employee participated
EL 1430	Haz Materials Awareness Trng - 1 employee participated
ENV 405	Field ENV Emergency Compliance - 3 employee participated
ENV 414	Environmental Management System - 2 employees participated
ENV 432	CGP Compliance Enforcement - 2 employees participated
ENV 433	Storm Water ENV Req During CON - 3 employees participated
ENV 457	404 Compliance During Construction – 3 employees participated
MNT 415	Revegetation During Construction - 6 employees participated
SFH 420	Hazardous Communication – 5 employees participated

Proposed Changes to the SWMP

No changes or revisions have been made to the Permit by the Amarillo District, and none are proposed as this is Year 4 of the Permit.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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): Kit Black, P.E.
Title: Director of Transportation Planning and Development, Amarillo District

Signature: Kit Black Date: 11/27/17

Amarillo District Phase II Annual Report

Table 1: BMP Status and Measureable Goals

Timeframe: August 13, 2016-November 30, 2016

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 1 – Public Education and Outreach on Storm Water Impacts	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Distribute educational materials during project public meetings and/or other local events the District attends that are in or serve the MS4 Phase II area. Materials will also be available at the TIC.	Record estimated quantities of material distributed and dates of public meetings/events where materials were distributed.	Don't Mess with Texas Campaign. Television, radio, and billborad advertisements statewide. Statewide public service announcements and press realeases were also sent. Website is available at www. dontmesswithtexas.org.	Completed 08/13/2016-11/30/2016	Met Goal	N
MCM 1 – Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend Pre-Construction meetings for projects that are in the MS4 Phase II area. Provide contractor a TxDOT poster "Basic Principles of Erosion & Sediment Control" (in English and Spanish) as well as a BMP reminder rain gauge.	Record date and project where materials were distributed to contractors.	One preconstruction meeting was held for a project on 10/14/2016. Project specific location (PSL) guide pamphlets were distributed to TxDOT and contractor personnel. Special Specification 112 Temporary Erosion, Sedimentation, & Environmental Controls were reviewed at this meeting.	Completed 08/13/2016-11/30/2016	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program.	Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, number of 33 gallon bags removed.	90-33 gallon bags were collected from 6 separate clean-ups performed by 5 different AAH groups. A total of 45 volunteers participated in these clean-ups.	Completed 08/13/2016-11/30/2016	Met Goal	N
MCM 3 – Illicit Discharge Detection and Elimination	Update Storm Sewer Outfall Inventory Map	Update the map to include new and relocated outfalls according to plan developed in Year 1.	Provide records to document updated map.	No new locations were identified in Plan Year 10.	Completed 08/13/2016-11/30/2016	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	Identify and map on a schedule such that every outfall is mapped at by the end of the 5-year implementation period.	Provide a list or printed map of outfalls inventoried and an estimate of the remaining MS4 that needs to be mapped.	MS4 Phase II outfalls were identified and mapped. No new outfalls were identified in the Phase II area during Plan Year 10.	Completed 08/13/2016-11/30/2016	Met Goal	N
MCM 3 – Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen all of the outfalls in the most current map available. Alternatively, establish a screening schedule so that all outfalls will be screened by the end of the 5-year implementation period.	Provide a list of outfalls for which dry weather screening was performed. Include a summary of follow-up actions that resulted from the screenings.	All MS4 Phase II outfalls were inspected prior to Plan Year 5.	Completed 08/13/2016-11/30/2016	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	Implement the plan to ensure TxDOT will comply with, and require its contractors to comply with the CGP	Record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. Record the activities taken to ensure compliance according to the plan.	There was one CGP NOI for a large project, and no CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. The activities taken to ensure compliance according to the plan are recorded and kept in the district records file.	Completed 08/13/2016-11/30/2016	Met Goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Identify and eliminate the discharges from construction sites outside of ROW with inadequate controls.	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	Surveys will be done to identify discharges to the MS4 from project outside the ROW that may have inadequate SW3P measures. Follow Section 5.B. to resolve.	No discharges from construction projects outside of ROW with inadequate controls.in the Phase II area.	Completed 08/13/2016-11/30/2016	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc.)	Establish a schedule to survey the entire MS4 Phase II area at least once during the permit term. Establish a maintenance schedule and perform the needed maintenance identified during survey activity for this year.	Record the maintenance activities and the percentage of the Phase II area that was surveyed.	Approximately 100% of the Phase II area was surveyed. Existing maintenance schedule includes Litter collection 3 times per month: Mowing 2 times per year min., facility yards mowed as needed. Street sweeping once a month. No additional maintenance needs identified.	Completed 08/13/2016-11/30/2016	Met Goal	N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Determine the need for storm water structural controls in areas of new development and redevelopment	Identify storm water issues during planning, design, and project development process for new development and redevelopment of transportation facilities (planning may include preparation of NEPA study documents and the results of DECQ surveys)	Document storm water issues addressed during the planning, design, and project development process and the resultant controls that were implemented.	There was no need for storm water structural controls in areas of new development or redevelopment within the MS4 Phase II area, therefore no plans were reviewed.	Completed 08/13/2016-11/30/2016	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 6 – Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report. (i.e. Facility Operations Environmental Advisory Survey Report)	There are no facilities within the Phase II area that require a Facility Operations Environmental Advisory Survey Report.	Completed 08/13/2016-11/30/2016	Met Goal	N
MCM 6 – Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	TxDOT employees responsible for municipal operations will attend (at least once per permit term) one of the training classes directed at preventing and reducing storm water pollution from municipal operations.	Provide a list of the training courses with a copy of the class roster and date class was administered; alternatively provide a list of the title and date of courses offered.	The following training classes were provided to employees during the time period: ENV 405-4 employees trained; ENV 414-3 employees trained; ENV 432-3 employees trained; ENV 433-4 employees trained; ENV457-4 employees trained; MNT415-7 employees trained; SFH420-6 employees trained; SFH421-1 employee trained. A copy of the class rosters and dates classes were administered is kept in the district in a database.	Completed 08/13/2016-11/30/2016	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 6 – Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Ensure proper disposal of litter and debris removed from roadways by litter collection and/or street sweeping. Ensure proper disposal of spoil materials removed during maintenance of drainage ditches and structural controls.	Record volumes and nature of disposed watse	375 cubic feet of litter and debris were removed from roadways by litter collection and/or street sweeping and were properly disposed of.	Completed 08/13/2016-11/30/2016	Met Goal	N
MCM 6 – Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand and ice rock storage areas.	Inspect structural controls at least once per year. Determine the need for maintenance, repair, or replacement, and schedule follow-up actions as is necessary.	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions	There are no sand and rock storage areas in the MS4 Phase II area	Completed 08/13/2016-11/30/2016	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 10 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.

Atlanta District

Texas Department of Transportation



Texas Department of Transportation – Atlanta District

Year 10 Partial Annual Report-Transition Year

TPDES Phase II MS4 General Permit No. TXR040179

Including 2010 Census Urbanized Area

Reporting Period: August 13, 2016 – November 30, 2016

Permit No.: TXR040179 / TxDOT Atlanta District

Phase II (Small) MS4 Annual Report Form
TPDES General Permit No. TXR040000

A. General Information

1. Permit No. TXR040179 Annual Report Period: August 13, 2016–November 30, 2016

   Name of MS4 / Permittee: Texas Department of Transportation –Atlanta District

   Contact Name: Molly Berridge Telephone Number: 903-799-1316

   Mailing Address: 701 East Main Street, Atlanta TX 75551

   E-mail Address: Molly.Berridge@txdot.gov

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes __X__ No

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

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X_____ No

   If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

4. Is this a system-wide annual report including information for all permittees? _____ Yes ____X___ No

Explanation, if any _____

_____

_____

5. Has a copy of this annual report been submitted to the TCEQ Regional Office? ____X____ Yes _____ No

B. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. 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

_____

_____

b. If Yes to the above, has the TCEQ already approved the original SWMP? _____ Yes _____ No

_____NA_____

_____

c. If Yes to the above, indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) _____ Yes _____ No

_____NA_____

_____

2. The MS4 has annexed lands since obtaining permit coverage. _____ Yes ____X___ No

_____

_____

3. A receiving water body is listed as impaired or a TMDL has been established. ___X____ Yes _____ No

0304A Swampoodle Creek and 0304B Cowhorn Creek were de-listed for the 2014 303 (d) list. Please see pages 20-21, and the 2010 303(d) map in Attachment B (page 22) as a reference to the de-listed creeks.

_____

4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes _____X__ No

Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

_____

_____

C. Narrative Provisions.

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	**X**		As described in Table 2 in Part D, we (Atlanta District) are in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	**X**		This report brings us current with the reporting requirements. Supporting records can be inspected at the address indicated on the NOI.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	**X**		We meet the eligibility requirements described in Part II.C., including those requirements pertaining to TMDLs, Edwards Aquifer, and compliance history.

2. Provide a general assessment of the appropriateness of the selected BMPs:

   Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? _____ Yes ___X____ No

   Provide explanation:

   _____

   _____

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

Or, provide explanation below:

While we do not have analytical data that demonstrates a measurable pollutant reduction, progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) can be quantified in terms of BMP implementation and progress towards meeting our measurable goals. This is consistent with 40 CFR §122.34, which states "Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the 'maximum extent practicable'". Even though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that litter will pollute storm water, resulting in a clear, although not quantified, pollutant reduction.

The progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) for the District can be measured by implementing the following BMPs:

MCM-1, BMP: Education of Construction Site Personnel

Site personnel who are directly involved in construction activities within the TxDOT right of way can directly influence the quality of storm water runoff discharged from the MS4. Providing them with educational materials on the effect of pollution in storm water runoff assists in reducing the discharge of pollutants to the MEP. There were no pre-construction meetings concerning projects within the MS4 Phase II area this year (August 13, 2016 - November 30, 2016) that dealt with soil disturbance. The contractors have been made aware of best management practices and educated over TxDOT's new Environmental Management System (inspector and contractor training (see page 18 & 19), Construction Stage Gate Checklist, etc.). In the future as projects are let inside the Phase II area, the contractors will continue to be made aware of storm water related issues and given access to educational materials.

MCM-1, BMP: Distribute Materials to Local Schools

Providing educational materials on the effect of pollution in storm water runoff to schools would assist in reducing the discharge of pollutants to the MEP through education of these students. Due to budget cuts, TXDOT's Environmental Affairs Division is not

producing educational materials at this time. In 2015, we delivered our remaining educational materials to local schools within our MS4 area. This BMP goal has been met and fulfilled according to the 5 year permit plan for the Atlanta District.

MCM-2, BMP: Adopt-A-Highway Program

Providing educational materials on the effect of pollution in storm water runoff to the volunteers and removing floatables and other solid waste materials from the right of way have reduced the discharge of pollutants to the MEP. There are 16 sections that are currently under adoption, but most may be terminated due to lack of participation. Within these sections, only two groups reported that approximately one hundred fourteen (114) trash bags of litter were collected and a total of twenty (20) man hours were volunteered in the Phase II area in Year 10. The availability of sections continues to be advertised through signs and the local and statewide efforts of the Adopt-A-Highway program.

MCM-3, BMP: Develop Storm Sewer Outfall Inventory Map

TxDOT consultants developed a base map showing all the outfalls in the District's UAs. This map was determined to be an appropriate BMP for locating and tracking potential illicit discharges to the MS4 and will assist the District in reducing the discharge of pollutants to the MEP. The map developed should meet the reporting requirement for listing the outfalls. This map is complete and shows 100% of the outfalls in the Texarkana and Longview MS4 areas monitored by TxDOT's Atlanta District. The small portion of the Longview UA (Loop 281) located in Harrison County was mapped July 2012. Omissions that were identified during the District's review of the map in 2011 (Year 4) (IH 30, FM 559, SH 93 & US 67) were corrected in May & June of 2012. TxDOT's Environmental Affairs Division contracted Dannenbaum Engineering Corporation to inventory storm sewer outfalls within the Atlanta District's MS4 Phase II Area. They began August 5, 2015, and the work was completed in about two weeks. Their data was submitted to TxDOT's Environmental Affairs Division in 2015 and was reviewed and approved in 2016.

MCM-3, BMP: Dry Weather Screening Monitoring

Regulated outfalls were last screened for dry weather flow and potential illicit discharges in July (2016). The monitoring was determined to be an appropriate BMP for adequately locating and tracking potential illicit discharges to the MS4, and will assist the district in reducing the discharge of pollutants to the MEP. Dry weather screening was performed at all outfalls (100%) along the MS4 system at least once during the permit term. This year (FY 2017), dry weather screening is no longer required for Phase II areas: this includes the Atlanta District's Texarkana and Longview MS4 system.

MCM-4, BMP: Compliance with the CGP

The practice to ensure compliance with the TPDES construction general permit (CGP) was determined to be an appropriate BMP for controlling storm water runoff from construction sites and has assisted the District in reducing the discharge of pollutants to the MEP. There were no new NOIs for large projects and no Construction Site Notices for any small projects required to authorize TxDOT construction projects within the boundaries of the small MS4 for new construction during this reporting period. There were no NOTs for this reporting period. In summary, there are no active NOIs this recording period. The activities taken to ensure compliance according to the plan are recorded and kept in the District records file.

MCM-4, BMP: Identify and eliminate discharges from construction sites outside of ROW with inadequate controls

The selected BMP was evaluated and determined to be an appropriate BMP for limiting the discharge of pollutants to the regulated MS4 from construction activities outside of the TxDOT right of way and jurisdiction. The District did not identify any discharges to the MS4 from projects outside the ROW that may have inadequate SWP3 measures or controls. If issues are identified, then either the City of Texarkana or the responsible party would first be notified to resolve the issue. Unresolved issues would be reported to the TECQ. Records of these actions are kept at the District Office.

MCM-5, BMP: Inspection and Maintenance of Permanent Control Measures

The inspection and maintenance of permanent control measures to ensure that control measures remain in good condition and continue to control storm water runoff have reduced the discharge of pollutants to the MEP. The Phase II area has been 100% surveyed within the 5 year permit term at least once. Texarkana Maintenance cleaned drainage ditches inside the city limits as part of their normal maintenance program. Also, the Atlanta District has two to three mowing cycles per year; however, routine maintenance such as mowing, filling, and re-vegetation of erosion features is an ongoing process.

MCM-6, BMP: Facility Inspections

The selected BMP is to ensure the District will be responsible for establishing and tracking facility inspections at least once per permit term. The BMP was evaluated and determined to be an appropriate BMP for reducing the discharge of pollutant runoff from District operations. The Texarkana Area Office and Maintenance Facility, located within the MS4 Phase II boundary, had their Spill Prevention, Control, and Countermeasure (SPCC) Plan inspected and certified October 22, 2010, by TRC Engineering Services, Consulting, and Construction Management Company. A SPCC review was due by Oct. 22, 2015, and was completed September

2015. There were no physical changes required for our MS4 Phase II Area. Texarkana does monthly facility inspections as part of the SPCC Plan. No deficiencies were recorded this reporting period (August 13, 2016- November 30, 2016).

MCM-6, BMP: Employee Training

The selected BMP is to ensure District employees attend at least one training class per permit term. The BMP was evaluated and determined to be an appropriate BMP for providing information to personnel on environmental issues that can encourage the control for the discharge of pollutants in the MS4 from District operations. This BMP will assist the District in reducing the discharge of pollutants to the MEP. The following training classes are provided to the employees: Hazard Communications (SFH 420); HazCom/Environmental Refresher (SFH 421); Herbicide Certification (MNT 410); Herbicide Equipment Training (MNT 411); Hazard Materials Awareness (SFH 430-this has become an online class (EL 1430)) and Small Quantity Spill Response (SFH 410). Zero employees working in the UA had Small Quantity Spill Response (SFH 410) training in the partial reporting period of August 13, 2016, through November 30, 2016. One employee had Hazardous Communications (SFH 420) training in September of 2016. In addition, one employee had HazCom/Environmental Refresher (SFH 421) training in October of 2016. Zero employees had Herbicide Certification (MNT 410) during the partial reporting period. Zero employees had Herbicide Equipment Training (MNT 411) during the partial reporting period, and twenty-four had Hazardous Materials Awareness Training (EL 1430): fourteen in September of 2016; four in October of 2016; and six in November of 2016.

MCM-6, BMP: Disposal of Waste

The selected BMP is to ensure proper disposal of solid wastes. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from District operations. This BMP will assist the District in reducing the discharge of pollutants to the MEP. The District removed an estimated 162.38 cubic feet per acre of litter and debris from roadways by contract litter collection. There were 216 equipment hours put on the street sweeper assigned to the Texarkana Area.

MCM-6, BMP: Inspection of Structural Controls

During inspection the structural controls are evaluated for any needed maintenance, repair or replacement, and a schedule is established for follow-up actions as necessary. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from District operations. This BMP will assist the District in reducing the discharge of pollutants to the MEP. Structural controls are inspected during dry weather screenings and have been surveyed 100% at the end of Year 5. This reporting period and in the future, we are relying on the maintenance crews to report any issues concerning structural controls. No issues were reported during this period. Repair work was done in the Longview MS4 area at the intersection of Loop 281 and Page Road that was reported last year.

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

The above programs have assisted the District in reducing the discharge of pollutants to the MEP. There are a few obstacles or challenges in implementing the programs as follows:

a) Budget cuts – the District has a reduced maintenance budget which may affect the ability to execute portions of the MCMs such as mowing, litter pick up, etc. Also, Environmental Affairs is no longer providing educational materials due to budget cuts.

b) TxDOT Outfall Tracking System (OTS) – OTS has been migrated into AOTS; no problem exists.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated via notices of intent or site notices:

We did not receive any NOI or Construction Site Notices this year.

_____

6. Does the permittee utilize the 7th MCM related to construction? _____ Yes ____X___ No

If Yes, then provide the following information:

a. The number of municipal construction activities authorized under this general permit: _____N/A_____

b. The total number of acres disturbed for municipal construction projects: _____N/A_____

Though the 7th MCM is optional, this must be requested on the NOI or on a NOC and approved by the TCEQ.

7. Requirements for Specific Minimum Controls Measures (MCMs):

    a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM. (See Attachment A)

    b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.). (See Attachment A)

    c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

    Not applicable; we utilize the list in the permit.

8. Describe any proposed changes to the SWMP in the coming reporting year.

NA

9. Describe any activities planned for the next permit year / reporting cycle (Table 1 is Not Applicable).

(Table 1 lists the next year MCMs. Next year/next permit term MCMs will be included in the revised Stormwater Management Plan (SWMP) submitted with the Permit renewal.)

D. Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)*

Please note: Since each of our BMPs have measurable goals, TxDOT combined Tables 1 and 2 in the original template in order to minimize redundancy.

Table 2 – Year 10 (Partial) BMP and Measurable Goals Status

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Year 10 Milestones/ Accomplishment/	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal, -Exceeded Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide water quality materials.	Record date and project where materials were distributed.	There were no pre-construction meetings concerning projects within the MS4 Phase II area this year that dealt with soil disturbance during the partial reporting period of August 13, 2016, through November 30, 2016. The contractors have been made aware of best management practices, educated over TxDOT's new Environmental Management System (inspector and contractor training (see page 18 & 19), Construction Stage Gate Checklist, etc.).	Completed 08/13/2016 - 11/30/2016	Met Goal	N
MCM 1 - Public Education and Outreach on Storm Water Impacts	Distribute Materials to Local Schools (Target Audience - Visitors,)	Contact one local school that is located in or relatively near the MS4 Phase II facility and provide, upon request, materials for public education.	Record date, name of school, and the estimated quantities of education materials distributed.	Due to budget cuts, TxDOT's Environmental Affairs Division is not producing educational materials at this time. In 2015, we delivered our remaining educational materials to local schools within our MS4 area. This BMP goal has been met and fulfilled according to the 5 year permit plan for the Atlanta District.	Completed 08/13/2014 - 08/12/2015	Met Goal	N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program.	Continue with existing Adopt-A-Highway program. Advertise availability of sections for adoption.	Number of sections currently under adoption. Number of times litter removed and/or the total number of bags collected and efforts made to advertise available sections.	There are currently 16 sections in the UA that are currently under adoption, but most may be terminated due to lack of participation. Only two groups actually reported hours and bags of trash collected. These two groups collected 114 bags of trash and volunteered 21 man hours.	Completed 08/13/2016 - 08/12/2017	Met Goal	N

MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	Identify and map on a schedule such that every outfall is mapped by the end of the 5-year implementation period. Maintain map as outfalls are added or removed.	Provide a list of outfalls inventoried and estimate of the remaining MS4 that needs to be mapped	TxDOT inventoried outfalls along Loop 281 in Harrison County. One hundred percent (100%) of outfalls have been inventoried. Some discrepancies with the current map were found and were corrected (IH 30, FM 559, SH 93, & US 67). The map is now 100% complete and correct. This was completed five years ago. Dannenbaum Engineering Corporation was contracted to inventory storm sewer outfalls within the Atlanta District's MS4 Phase II Area. The work was completed in August 2015, and was submitted for review to TxDOT's Environmental Affairs Division. They reviewed and approved the data in 2016.	Completed 08/13/2011 – 08/12/2012	Met Goal	N
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen 25% of the outfalls in the most current map, making sure that all are screened within the term of the permit.	Provide a list of outfalls for which dry weather screening was performed. Document any actions taken.	Dry weather screening was performed at all outfalls (100%) along the MS4 system at least once during the permit term. This year (FY 2017), dry weather screening is no longer required for Phase II areas: this includes the Atlanta District's Texarkana and Longview MS4 system.	Completed 08/13/2015 – 08/12/2016	Met Goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	TxDOT will comply with, and require its contractors to comply with the CGP.	Record number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4.	Currently, there are no new construction sites that require submittal of CGP NOI and no CSN. There were no NOTs this reporting period.	Completed 08/13/2016 - 11/30/2016	Met Goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	During illicit discharge detection look for inadequate SW3P measures and controls from construction projects outside of TxDOT ROW.	Provide a list of construction sites off TxDOT ROW where runoff was evident and actions that were taken.	No areas of concern were identified this term within the MS4 area.	Completed 08/13/2016 - 11/30/2016	Met Goal	N

MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	TxDOT personnel or approved consultants will routinely drive the MS4 Phase II area and inspect and/or maintain permanent control measures as needed. This inspection/ maintenance will be scheduled so that entire MS4 area is covered within 5-year implementation period.	Submit a record of any deficiencies noted and or maintenance activities performed for the permanent BMPs.	The entire MS4 area has been covered within the 5 year permit term. Texarkana Maintenance cleaned drainage ditches within the city limits as part of their normal maintenance program. Also, the Atlanta District has 2 to 3 mowing cycles per year; however, routine maintenance such as mowing, filling, and re-vegetation of erosion features is an ongoing process.	Completed 08/13/2016 - 11/30/2016	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).	Texarkana Area Office and Maintenance Facility, located within the MS4 Phase II boundary, had their Spill Prevention, Control, and Countermeasure (SPCC) Plan inspected and re-certified October 22, 2010, by TRC Engineering Services, Consulting, and Construction Management Company. A SPCC review was due by October 22, 2015, and was completed September 2015. There were no physical changes required for our MS4 Phase II Area. Texarkana does monthly facility inspections as part of the SPCC Plan. There were no deficiencies recorded during this reporting period.	Completed 08/13/2016 – 11/30/2016	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses, number of participants and date class was administered.	Zero employees working in the UA had Small Quantity Spill Response (SFH 410) training during the partial reporting period of August 13, 2016, through November 30, 2016. One employee had Hazardous Communications (SFH 420) training in September of 2016. In addition, one employee had HazCom/Environmental Refresher (SFH 421) training in October 2016. Zero employees had Herbicide Certification (MNT 410) during the partial reporting period. Zero employees had Herbicide Equipment Training (MNT411) during the partial reporting period, and twenty-four had Hazardous Materials Awareness Training (EL 1430): fourteen in September of 2016; four in October of	Completed 08/13/2016 - 11/30/2016	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Collect litter and debris on high volume roadways by collecting litter and/ or street sweeping.	Record the volume, weight, number of streets, or other measure to document the amount of street sweeping and/or litter pickup in the county or the permit area per year.	Removed estimated 162.38 cubic feet per acre of litter and debris from roadways by contract litter collection. There were also 216 equipment hours charged to the street sweeper assigned to the Texarkana Area.	Completed 08/13/2016 - 11/30/2016	Met Goal	N

MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls	Inspect structural controls at least once per year. Determine the need for maintenance, repair, or replacement and schedule follow-up actions as is necessary.	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions.	Structural controls are inspected during dry weather screenings and have been surveyed 100% at the end of Year 5. This reporting period and in the future, we are relying on the maintenance crews to report any issues concerning structural controls. No issues were reported during this period. Repair work was done in the Longview MS4 area at the intersection of Loop 281 and Page Road that was reported last year.	Completed 08/13/2016 - 11/30/2016	Met Goal	N

E. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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): _Glenn H. Green, P.E._____ *Title: ___District Engineer (ATL)_____

Signature: _____ Date: _____

*Must be signed by a "principal executive officer…having responsibility for the overall operations of a principal geographic unit of the agency" as described in 30 TAC §305.44 (Signatory to Applications) and referenced in 30 TAC §305.128 (Signatory to Reports). This requirement is met by the District Engineer.

Attachment A
DOCUMENTATION OF THE ACTIVITIES CONDUCTED,
MATERIALS USED, AND AMOUNT OF RESOURCES USED TO ADDRESS EACH GROUP
TO FULLFILL THE MCM -1 (PUBLIC EDUCATION AND OUTREACH)

Activities	Target Group (school, visitor, business, employee, construction personnel, etc.)	Locations	Materials/Resources	Quantity
None	N/A	N/A	We gave out the last of our coloring and activities booklets in 2015. Due to budget cuts, TxDOT's Environmental Affairs Division is not producing educational materials at this time. This BMP goal has been met and fulfilled according to the 5 year permit plan for the Atlanta District.	N/A

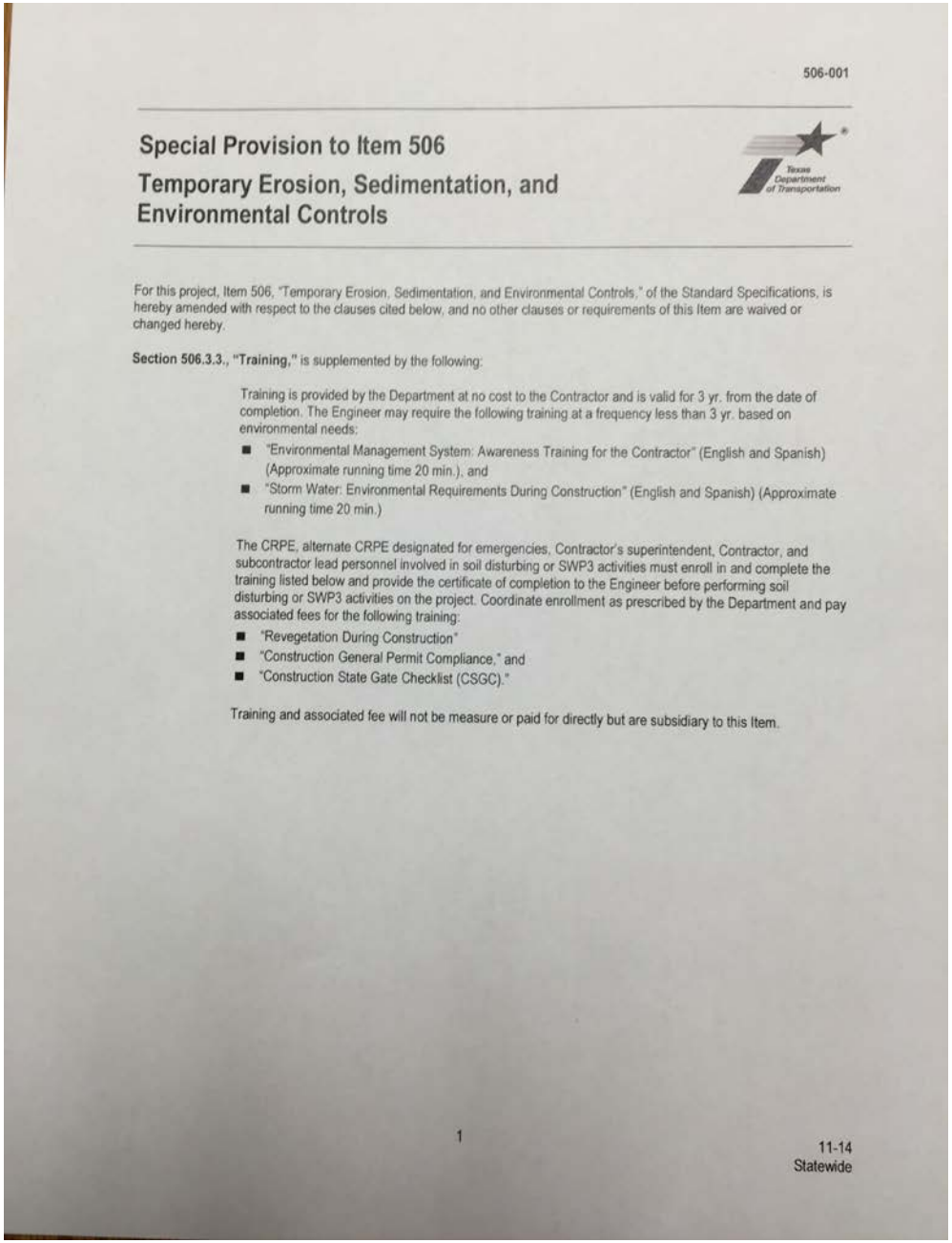
EMS Training Matrix

	Training Course	Class Code	Mandate Deadlines	Delivery Method	District Engineer	Project/ Area Engineer	Road Construction Project Engineer	Designer	ENV staff/ EC (based on job duties)	DEQC	Construction Inspector	Contractor Construction Superintendent
All TxDOT Employees involved in Road Construction	Storm Water Compliance Requirements in Construction	ENV433	Within 30 days of hire or job assignment and repeated every 3 years	i-way	✓	✓	✓	✓	✓	✓	✓	
	EMS Awareness Training EMS Orientation	ENV414	Within 30 days of hire or job assignment and repeated every 3 years	i-way	✓	✓	✓	✓	✓	✓	✓	
Design	AP&D Stage Gate Checklist	DES435	With in 90 days of hire or assignment and repeat as needed	i-way				✓	✓			
	Storm Water Erosion & Sediment Control Design Day 1	ENV300	Within 6 months of hire or job assignment and repeat as needed	Instructor Lead		✓	✓	✓	✓	✓	✓	
	Storm Water Erosion & Sediment Control Design Day 2	ENV301	Within 6 months of hire or job assignment and repeat as needed	Instructor Lead		✓	✓	✓	✓			
	EPIC Sheet	DES908	With in 60 days of hire or job assignment and repeated every three years	i-way			✓	✓	✓	✓	✓	
	PS&E Stage Gate Checklist	DES907	Within 90 days of hire or job assisgnement and repeated as needed.	i-way				✓	✓			
Construction	*Re-vegetation Course	MNT415	Within 90 days of hire or job assignment and repeated every 3 years	i-way UT Arlington		✓				✓	✓	✓
	Construction Stage Gate Checklist	CON816	Within 30 days of hire or job assignment and repeated every 3 years	i-way UT Arlington					✓	✓	✓	✓
	Field Environmental Emergency Compliance	ENV405	Within 30 days of hire or job assignment and repeated every 3 years	i-way						✓	✓	
	How to Comply Section 404 Permits	ENV457	Within 30 days of hire or job assignment and repeated every 3 years	i-way					✓		✓	
	Construction General Permit (CGP)Compliance	ENV432	Within 30 days of hire or job assignment and repeated every 3 years	i-way UT Arlington				✓		✓	✓	✓
	Storm Water Inspection Checklist (Form 2118)	CO 817	Within 90 days of hire or job assignment and repeate every 3 years	i-way			✓			✓	✓	
	Storm Water Pollution Prevention Plan	ENV103	Within 6 months of hire or job assignment and repeat as needed	Instructor Lead		✓		✓		✓	✓	
	Storm Water Compliance Requirements in Construction	Contractor	Preference is a preconstuction meeting or before earth turning work.	TxDOT Internet								✓
	Contractor EMS Awareness Training (Contractor)	Contrcctor	Preference is a preconstuction meeting or before earth turning work.	TxDOT Internet								✓

Note: Red font notates courses under development.
UT Arlinton may be located at http://www.dedtraining.com/env/online_courses.cfm.

2/13/2013

Rev H



506-001

Special Provision to Item 506

Temporary Erosion, Sedimentation, and Environmental Controls

Texas Department of Transportation

For this project, Item 506, "Temporary Erosion, Sedimentation, and Environmental Controls," of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Section 506.3.3., "Training," is supplemented by the following:

Training is provided by the Department at no cost to the Contractor and is valid for 3 yr. from the date of completion. The Engineer may require the following training at a frequency less than 3 yr. based on environmental needs:

- "Environmental Management System: Awareness Training for the Contractor" (English and Spanish) (Approximate running time 20 min.), and
- "Storm Water: Environmental Requirements During Construction" (English and Spanish) (Approximate running time 20 min.)

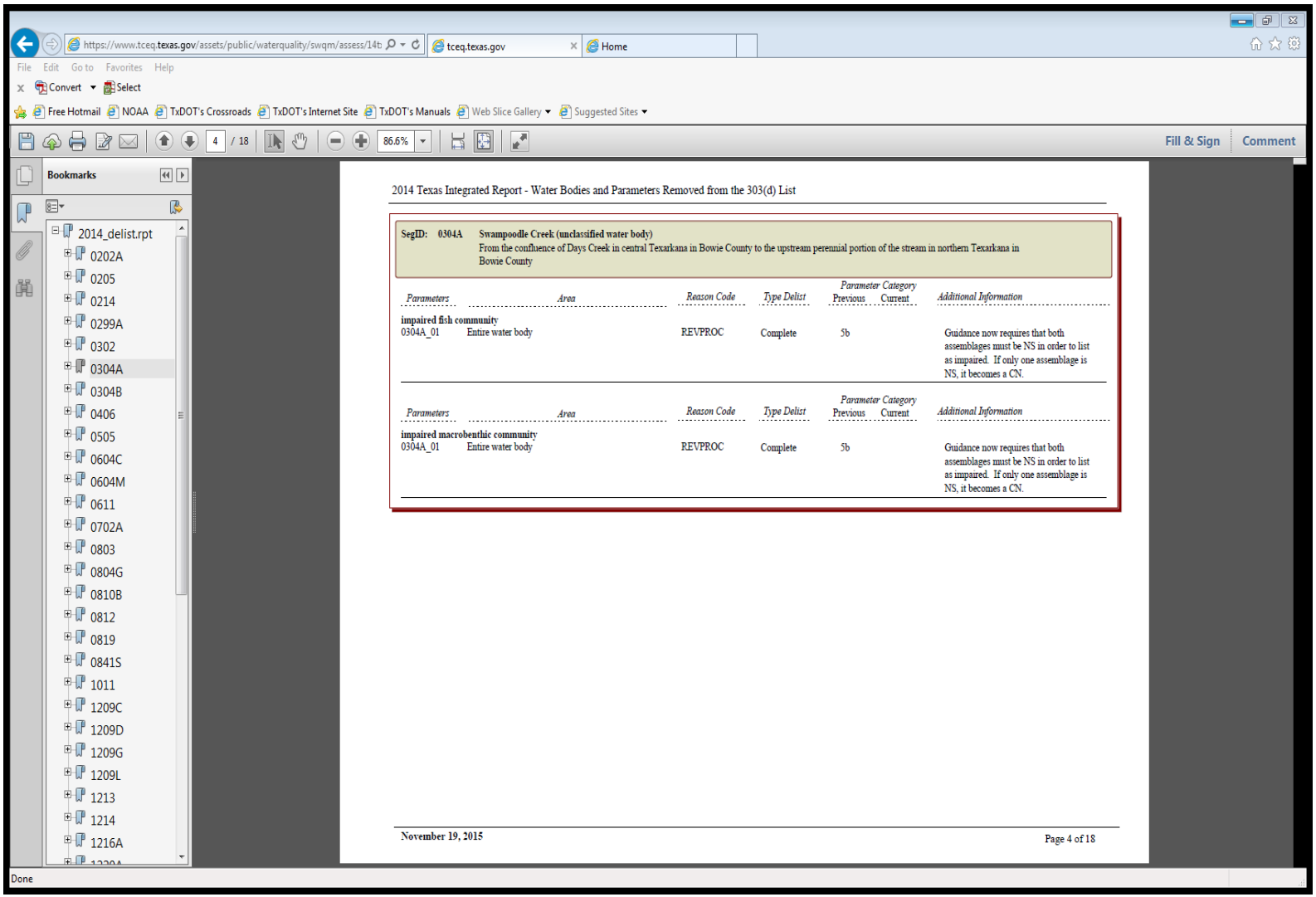
The CRPE, alternate CRPE designated for emergencies, Contractor's superintendent, Contractor, and subcontractor lead personnel involved in soil disturbing or SWP3 activities must enroll in and complete the training listed below and provide the certificate of completion to the Engineer before performing soil disturbing or SWP3 activities on the project. Coordinate enrollment as prescribed by the Department and pay associated fees for the following training:

- "Revegetation During Construction"
- "Construction General Permit Compliance," and
- "Construction State Gate Checklist (CSGC)."

Training and associated fee will not be measure or paid for directly but are subsidiary to this Item.

1

11-14
Statewide



2014 Texas Integrated Report - Water Bodies and Parameters Removed from the 303(d) List

SegID: 0304A **Swampoodle Creek (unclassified water body)**
From the confluence of Days Creek in central Texarkana in Bowie County to the upstream perennial portion of the stream in northern Texarkana in Bowie County

Parameters	*Area*	*Reason Code*	*Type Delist*	*Parameter Category* Previous	Current	*Additional Information*
impaired fish community						
0304A_01	Entire water body	REVPROC	Complete	5b		Guidance now requires that both assemblages must be NS in order to list as impaired. If only one assemblage is NS, it becomes a CN.

Parameters	*Area*	*Reason Code*	*Type Delist*	*Parameter Category* Previous	Current	*Additional Information*
impaired macrobenthic community						
0304A_01	Entire water body	REVPROC	Complete	5b		Guidance now requires that both assemblages must be NS in order to list as impaired. If only one assemblage is NS, it becomes a CN.

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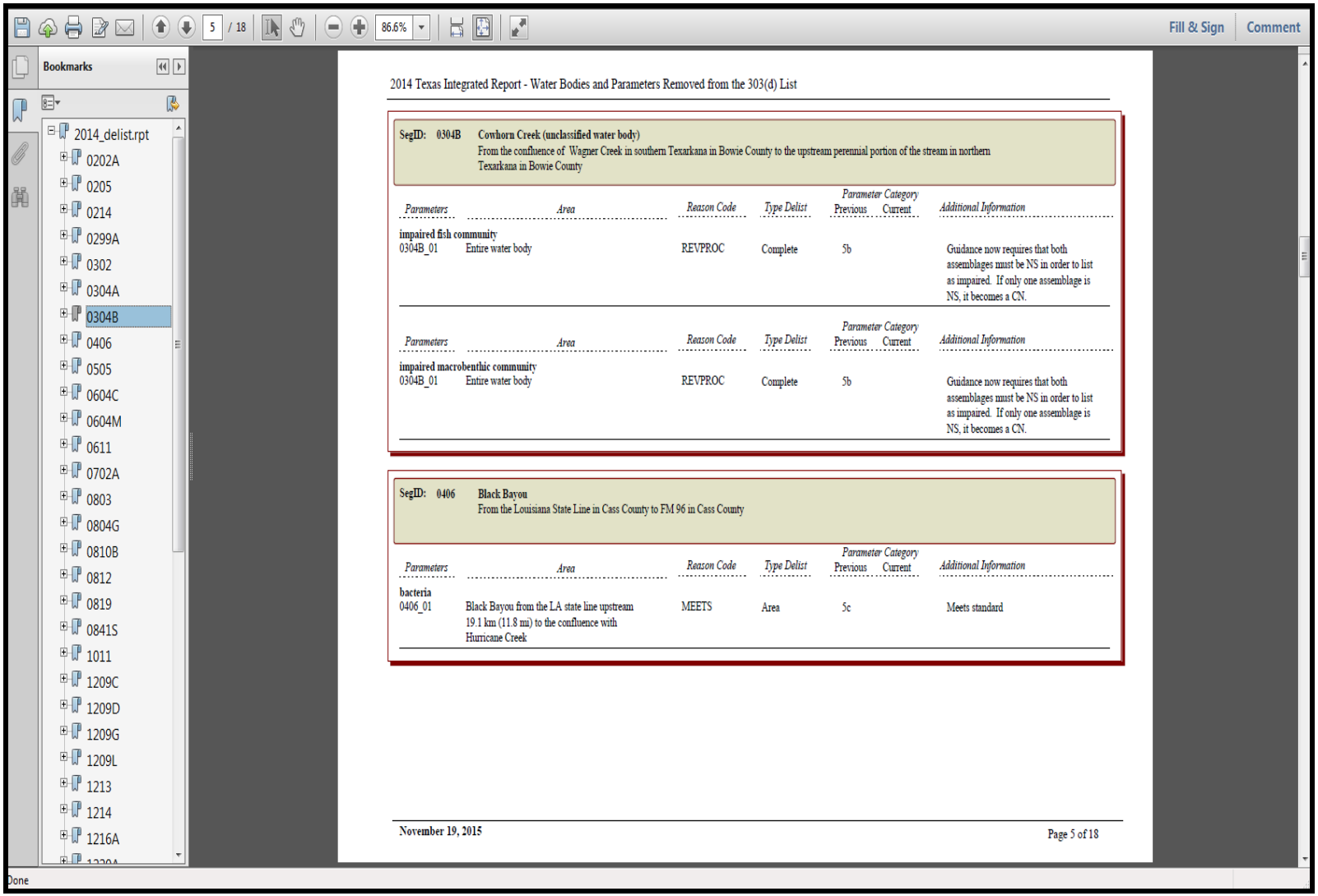
2014 Texas Integrated Report-
Water Bodies and Parameters Removed from the 303(d) List
0304A Swampoodle Creek



2014 Texas Integrated Report - Water Bodies and Parameters Removed from the 303(d) List

SegID: 0304B **Cowhorn Creek (unclassified water body)**
From the confluence of Wagner Creek in southern Texarkana in Bowie County to the upstream perennial portion of the stream in northern Texarkana in Bowie County

Parameters	*Area*	*Reason Code*	*Type Delist*	*Parameter Category* Previous	Current	*Additional Information*
impaired fish community						
0304B_01	Entire water body	REVPROC	Complete	5b		Guidance now requires that both assemblages must be NS in order to list as impaired. If only one assemblage is NS, it becomes a CN.

Parameters	*Area*	*Reason Code*	*Type Delist*	*Parameter Category* Previous	Current	*Additional Information*
impaired macrobenthic community						
0304B_01	Entire water body	REVPROC	Complete	5b		Guidance now requires that both assemblages must be NS in order to list as impaired. If only one assemblage is NS, it becomes a CN.

SegID: 0406 **Black Bayou**
From the Louisiana State Line in Cass County to FM 96 in Cass County

Parameters	*Area*	*Reason Code*	*Type Delist*	*Parameter Category* Previous	Current	*Additional Information*
bacteria						
0406_01	Black Bayou from the LA state line upstream 19.1 km (11.8 mi) to the confluence with Hurricane Creek	MEETS	Area	5c		Meets standard

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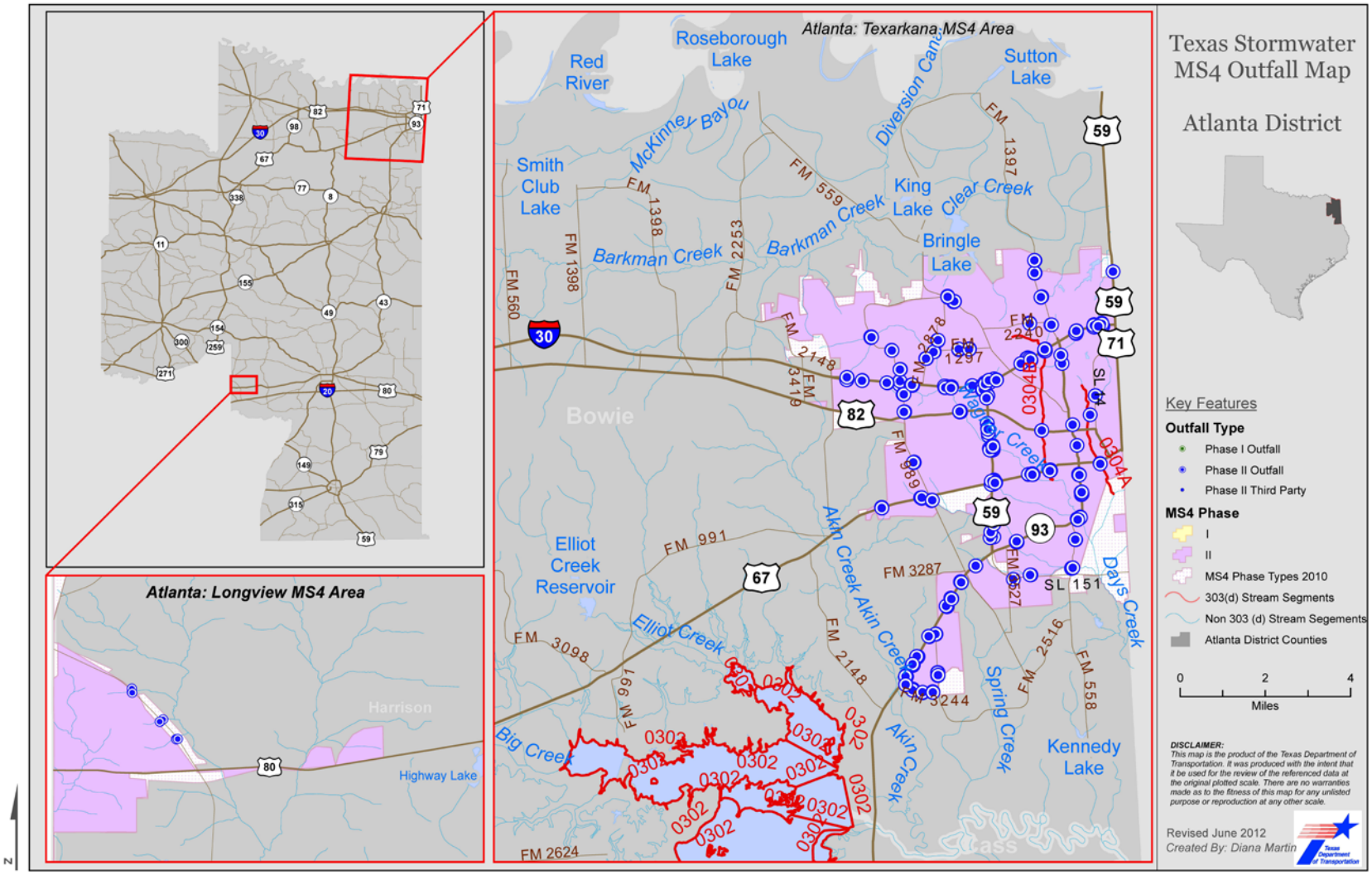
2014 Texas Integrated Report-
Water Bodies and Parameters Removed from the 303(d) List
0304B Cowhorn Creek

Attachment B
Atlanta District MS4 Outfall and 2010 303(d) Map



Texas Department of Transportation

MS4 Dry Weather Screening and Inspection Guide Phase II Outfall

Atlanta District

Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
0610-07-OF-005549	Phase II Outfall	unlikely discharge	SOUTH SIDE OF INTERSTATE HIGHWAY 30 1500 FEET EAST OF US HWY 59	33.4535	-94.0927		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005484	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 4550 FEET WEST OF HWY 59	33.4525	-94.1139		Concrete							
0218-02-OF-005632	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 5000 FEET SOUTH OF HWY 82	33.4298	-94.0954		Concrete							
0610-07-OF-005539	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 475 FEET EAST OF HWY 59	33.4528	-94.0974		Earthen							
0010-13-OF-005623	Phase II Outfall	unlikely discharge	SOUTH OF US HWY 67 200 FEET WEST OF US HWY 82	33.4231	-94.0523		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005456	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 1540 FEET WEST OF HWY 71	33.4706	-94.0486		Concrete							
0218-02-OF-005640	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 3500 FEET SOUTH OF HWY 82	33.4303	-94.0970		Concrete							
2879-02-OF-005650	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 2240 30 FEET EAST OF COWHORN CREEK ROAD	33.4721	-94.0779		Concrete							
0610-07-OF-005652	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 1105 FEET WEST OF SUMMERHILL ROAD	33.4625	-94.0725		Earthen							
ATL_BW_00004	Phase II Outfall	unlikely discharge	North side of FM 559 @ True Colors hair design SE Quad	33.4811	-94.1079	Circular	Concrete	None	None	none	n/a	n/a	n/a	North east quad North of FM 559
2879-01-OF-005547	Phase II Outfall	unlikely discharge	ON HWY 1297 (S) SIDE 500 FT (E) OF WINDMERE ST	33.4645	-94.1029		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
ATL_BW_00041	Phase II Outfall	unlikely discharge	South side of US 67 185 feet East of US 59	33.4187	-94.0951	Circular	Concrete	None	none	none	trickle	clear	S	A.k.a 0010-13-OF-005475
0610-07-OF-005550	Phase II Outfall	unlikely discharge	SOUTH SIDE OF INTERSTATE HIGHWAY 30 1525 FEET EAST OF US HWY 59	33.4535	-94.0926		Concrete							
0610-07-OF-005554	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 310 FEET EAST OF HWY 59	33.4524	-94.0971		Earthen							

Texas Department of Transportation

MS4 Dry Weather Screening and Inspection Guide Phase II Outfall

Atlanta District

Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
0218-01-OF-005689	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 2990 FEET NORTH OF 2516	33.3776	-94.1179		Earthen							
0046-06-OF-005703	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 82 650 FEET EAST OF CLARK	33.4436	-94.1079		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
ATL_BW_00039	Phase II Outfall	unlikely discharge	West of Richmond South side of westbound frontage road	33.4533	-94.0959	Box	Concrete	None	poor growth	none	n/a	n/a	n/a	Drop inlet
ATL_BW_00014	Phase II Outfall	unlikely discharge	West of Ross Perot South IH30 between frontage road and mainlane	33.4519	-94.1138	Box	Concrete	None	normal	none	n/a	n/a	n/a	Replaces 3 previous outfall
0218-01-OF-005676	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 1300 FEET SOUTH OF FM 2516	33.3674	-94.1253		Earthen							
0218-02-OF-005528	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 2075 FEET SOUTH OF IH30	33.4478	-94.0970		Earthen							
0218-01-OF-005572	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 150 FEET SOUTH OF NORTH STREET	33.4139	-94.0604		Earthen							
0218-02-OF-005638	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 4000 FEET NORTH OF 67	33.4297	-94.0957		Concrete							
0945-01-OF-005510	Phase II Outfall	unlikely discharge	EAST SIDE OF 1397 300 FEET SOUTH OF SUMMERHILL ROAD	33.4810	-94.0724		Concrete							
0046-08-OF-005622	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 559 50 FEET WEST OF SPRUCE STREET	33.4400	-94.0553		Concrete							
2925-03-OF-005617	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 3244 1495 FEET EAST OF US HWY 59	33.3500	-94.1332		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0010-13-OF-005435	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 1050 FEET WEST OF TRUMAN ROAD	33.4123	-94.1420		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1020-01-OF-005439	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 559 820 FEET EAST OF SCOTT WRIGHT ROAD	33.4810	-94.1081		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.

Texas Department of Transportation

MS4 Dry Weather Screening and Inspection Guide Phase II Outfall

Atlanta District

Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
1020-01-OF-005441	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 559 250 FEET WEST OF SCOTT WRIGHT ROAD	33.4827	-94.1105		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
1231-01-OF-005593	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 100 FEET NORTH OF KINGS WAY DRIVE	33.4269	-94.1280		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0010-13-OF-005490	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 150 FEET EAST OF ROBISON	33.4207	-94.0798		Concrete							
0010-13-OF-005497	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 100 FEET EAST OF DOUGLAS	33.4217	-94.0726		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005504	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 2990 FEET EAST OF HWY 59	33.3980	-94.0879		Concrete							
2879-01-OF-005482	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 1297 200 FEET EAST OF TWIN OAKS ROAD	33.4647	-94.1072		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA\QC REQUIREMENTS.
0945-01-OF-005509	Phase II Outfall	unlikely discharge	EAST SIDE OF 1397 305 FEET SOUTH OF SUMMERHILL ROAD	33.4810	-94.0723		Earthen							
0610-07-OF-005479	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 5200 FEET EASTOF 989	33.4518	-94.1137		Concrete							
2878-01-OF-005580	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2878 650 FEET SOUTH OF COOPER ROAD	33.4621	-94.1207		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
2878-01-OF-005582	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 1297 900 FEET EAST OF FM 2878	33.4644	-94.1172		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005727	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 290 FEET WEST OF HWY 989	33.4549	-94.1318		Earthen							

Texas Department of Transportation

MS4 Dry Weather Screening and Inspection Guide Phase II Outfall

Atlanta District

Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
1231-01-OF-005730	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 40 FEET SOUTH OF ALUMAX DRIVE	33.4505	-94.1305		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0945-01-OF-005663	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 255 FEET SOUTH OF FOREST BROOK	33.4893	-94.0747		Concrete							
0218-01-OF-005668	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 3450 FEET NORTH OF 3244	33.3606	-94.1306		Concrete							
0945-02-OF-005460	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 558 600 FEET NORTH OF STATE HWY 71	33.3883	-94.0657		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005465	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 3650 FEET EAST OF 2148	33.4558	-94.1471		Concrete							
1231-01-OF-005431	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 60 FEET NORTH OF BRILEY STREET	33.4444	-94.1308		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005505	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 3000 FEET EAST OF HWY 59	33.3981	-94.0877		Earthen							
ATL_HS_00048	Phase II Outfall	unlikely discharge	600 feet North of Cedar Hill Road Northeast quad Loop 281	32.5143	-94.6798	Other	Rip Rap	None	normal	none	n/a	n/a	n/a	unnamed tributary Mason Creek
0010-13-OF-005620	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 205 FEET WEST OF US HWY 82	33.4232	-94.0524		Concrete							
0945-01-OF-005655	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 1397 300 FEET SOUTH OF MOORES LANE	33.4714	-94.0690		Concrete							
0610-07-OF-005552	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 300 FEET EAST OF HWY 59	33.4524	-94.0972		Earthen							
0218-01-OF-005567	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 210 FEET NORTH SIDE OF KEEL	33.4131	-94.0606		Earthen							
0218-01-OF-005569	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 140 FEET NORTH OF 4TH STREET	33.4198	-94.0610		Earthen							
0218-01-OF-005573	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 175 FEET SOUTH OF NORTH STREET	33.4138	-94.0604		Other							ASPHALT AND ROCK
0218-01-OF-005678	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 3460 FEET NORTH OF 3244	33.3610	-94.1309		Earthen							

Texas Department of Transportation

MS4 Dry Weather Screening and Inspection Guide Phase II Outfall

Atlanta District

Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
0218-01-OF-005687	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 2985 FEET SOUTH OF GUN CLUB	33.3802	-94.1158		Earthen							
0218-01-OF-005690	Phase II Outfall	unlikely discharge	WEST OF HWY 59 3000 FEET NORTH OF 2516	33.3776	-94.1178		Earthen							
0610-07-OF-005644	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 5725 FEET EASTOF 989	33.4517	-94.1112		Concrete							
ATL_HS_00044	Phase II Outfall	unlikely discharge	West side of Loop 281 300 ft North of Page Road	32.5198	-94.6862	Other	Rip Rap	None	over-flourishing	none	n/a	n/a	n/a	Rip rap ditch
0218-02-OF-005641	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 4000 FEET NORTH OF 67	33.4298	-94.0968		Concrete							
ATL_BW_00030	Phase II Outfall	unlikely discharge	East of Railroad North side at KOA campground	33.4710	-94.0487	Natural	Earthen	None	normal	plastic	n/a	n/a	n/a	Replace 2 other points on tributary at KOA campgrounnd
ATL_BW_00011	Phase II Outfall	unlikely discharge	SW Quad US 59 ramp	33.4504	-94.0985	Natural	Concrete	None	normal	none	n/a	n/a	n/a	Natural ponding in Ditch
ATL_BW_00019	Phase II Outfall	unlikely discharge	Under southbound US 59 bridge	33.4516	-94.0993	Natural	Earthen	None	normal	none	less half capacity	clear	S	Natural flow
1231-01-OF-005519	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 130 FEET NORTH IF KINGS WAY DRIVE	33.4271	-94.1278		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-02-OF-005542	Phase II Outfall	unlikely discharge	EAST SIDE OF US HWY 59 1475 FEET SOUTH OF INTERSTATE HWY 30	33.4483	-94.0964		Concrete							
ATL_BW_00028	Phase II Outfall	unlikely discharge	East of Railroad North side frontage road	33.4699	-94.0486	Box	Concrete	None	normal	none	n/a	n/a	n/a	Drop Inlet
ATL_BW_00035	Phase II Outfall	unlikely discharge	West of n Cowhorn Creek Road North of frontage road NE Quad	33.4606	-94.0794	Natural	Earthen	None	normal	paper	trickle	clear	W	
ATL_BW_00037	Phase II Outfall	unlikely discharge	West of Richmond North side westbound frontage road NE Quad	33.4536	-94.0956	Natural	Earthen	None	normal	none	n/a	n/a	n/a	
ATL_BW_00001	Phase II Outfall	unlikely discharge	500 ft South FM 2878	33.4830	-94.1106	Box	Concrete	None	Normal	plastic	n/a	n/a	n/a	
0218-01-OF-005695	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 2990 FEET NORTH OF 2516	33.3773	-94.1175		Earthen							
0945-01-OF-005665	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 1397 250 FEET SOUTH OF FOREST BROOK	33.4893	-94.0746		Earthen							
ATL_BW_00032	Phase II Outfall	unlikely discharge	West of Railroad North side of Frontage Road	33.4706	-94.0518	Natural	Earthen	None	normal	none	n/a	n/a	n/a	

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0010-13-OF-005436	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 1000 FEET WEST OF TRUMAN ROAD	33.4121	-94.1418		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1020-01-OF-005440	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 559 275 FEET WEST OF SCOTT WRIGHT ROAD	33.4827	-94.1106		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0046-06-OF-005626	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 82 600 FEET EAST OF CLARK	33.4435	-94.1083		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005611	Phase II Outfall	unlikely discharge	SOUTH SIDE OF 3244 1495 FEET EAST OF US HWY 59	33.3498	-94.1335		Concrete							
1231-01-OF-005731	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 200 FEET SOUTH OF COOPER STREET	33.4655	-94.1344		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005612	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 2000 FEET WEST OF FM 2516	33.3485	-94.1293		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2879-01-OF-005520	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 1297 225 FEET EAST OF TWIN OAKS ROAD	33.4645	-94.1071		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
2422-01-OF-005739	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2516 75 FEET SOUTH OF STARLITE DRIVE	33.3550	-94.1226		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-02-OF-005636	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 3850 FEET SOUTH OF 82	33.4314	-94.0956		Concrete							
0945-01-OF-005664	Phase II Outfall	unlikely discharge	EAST SIDE OF OF HWY 1397 295 FEET SOUTH OF FOREST BROOK	33.4892	-94.0746		Earthen							

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0945-01-OF-005624	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 100 FEET SOUTH OF 13TH STREET	33.4298	-94.0613		Concrete							
0218-01-OF-005671	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1265 FEET SOUTH OF FM 2516	33.3677	-94.1256		Concrete							
0218-01-OF-005672	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1280 FEET SOUTH OF FM 2516	33.3676	-94.1256		Earthen							
0218-01-OF-005673	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1250 FEET SOUTH OF FM 2516	33.3677	-94.1256									
0046-08-OF-005464	Phase II Outfall	unlikely discharge	EAST SIDE OF SPUR 14 100 FEET SOUTH OF YALE STREET	33.4464	-94.0528		Concrete							
0218-02-OF-005633	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 4550 FEET SOUTH OF HWY 82	33.4300	-94.0954		Concrete							
0218-02-OF-005543	Phase II Outfall	unlikely discharge	EAST SIDE OF US HWY 59 1450 FEET SOUTH OF INTERSTATE HWY 30	33.4484	-94.0964		Concrete							
1020-01-OF-005442	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 559 250 FEET WEST OF SCOTT WRIGHT ROAD	33.4826	-94.1105		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005713	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 550 FEET EAST OF US HWY 59	33.3516	-94.1359		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005714	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 925 FEET NORTH OF FM 3244	33.3547	-94.1357		Concrete							
2422-01-OF-005740	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2516 50 FEET SOUTH OF STARLITE DRIVE	33.3551	-94.1227		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005699	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 990 FEET SOUTH OF GUN CLUB	33.3800	-94.1155		Concrete							
0218-02-OF-005525	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 815 FEET SOUTH OF IH30	33.4500	-94.0977		Concrete							
0218-02-OF-005526	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 2000 FEET SOUTH OF IH30	33.4480	-94.0970		Earthen							
0610-07-OF-005645	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 5750 FEET EASTOF 989	33.4516	-94.1112		Earthen							

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0218-02-OF-005634	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 3980 FEET SOUTH OF 82	33.4304	-94.0954		Concrete							
0218-02-OF-005635	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 3940 FEET SOUTH OF 82	33.4309	-94.0954		Earthen							
0218-02-OF-005546	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 2150 FEET SOUTH OF IH30	33.4475	-94.0970		Earthen							
0610-07-OF-005553	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 305 FEET EAST OF HWY 59	33.4524	-94.0972		Concrete							
0218-01-OF-005681	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 3480 FEET NORTH OF 3244	33.3610	-94.1309		Concrete							
2925-03-OF-005614	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 750 FEET WEST OF FM 2516	33.3485	-94.1253		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005692	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 1000 FEET SOUTH OF 989	33.3854	-94.1112		Earthen							
0218-02-OF-005631	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 160 FEET NORTH OF 67	33.4192	-94.0960		Concrete							
ATL_HS_00043	Phase II Outfall	unlikely discharge	600 feet North of Page Road Northbound Loop 281	32.5206	-94.6862	Circular	Concrete	None	normal	none	n/a	n/a	n/a	Cross drain to unnamed tributary
ATL_HS_00047	Phase II Outfall	unlikely discharge	600 feet North Cedar Hill road Northwest quad Loop 281	32.5138	-94.6805	Other	Rip Rap	Other	normal	styrofoam	n/a	n/a	n/a	rip rap south to unnamed tributary Mason Creek flowing east
ATL_BW_00025	Phase II Outfall	unlikely discharge	Between eastbound ramp and eastbound mainlane	33.4681	-94.0595	Box	Concrete	None	normal	none	n/a	n/a	n/a	Drop Inlet
0610-07-OF-005752	Phase II Outfall	unlikely discharge	NORTH OF HWY 30 70 FEET EAST OF ROYAL	33.4587	-94.0824		Earthen							
0610-07-OF-005754	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 2510 FEET WEST OF SUMMERHILL ROAD	33.4602	-94.0788		Earthen							
0945-01-OF-005659	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 540 FEET NORTH OF	33.4936	-94.0746		Earthen							
0610-07-OF-005472	Phase II Outfall	unlikely discharge	NORTH OF HWY 30 1800 FEET EAST OF 2148	33.4572	-94.1532		Earthen							
ATL_BW_00024	Phase II Outfall	unlikely discharge	Between ramp and eastbound frontage road	33.4681	-94.0593	Box	Concrete	None	none	none	n/a	n/a	n/a	Drop Inlet

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2925-03-OF-005619	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 3244 1500 FEET EAST OF US HWY 59	33.3500	-94.1331		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005688	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 2990 FEET SOUTH OF GUN CLUB	33.3801	-94.1159		Concrete							
0610-07-OF-005728	Phase II Outfall	unlikely discharge	NORTH OF HWY 30 300 FEET WEST OF 989	33.4549	-94.1319		Earthen							
1231-01-OF-005589	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 325 FEET SOUTH OF 7TH STREET	33.4136	-94.1216		Concrete							
0010-13-OF-005434	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 1000 FEET WEST OF TRUMAN ROAD	33.4123	-94.1418		Concrete							
0218-02-OF-005627	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 200 FEET SOUTH OF HWY 67	33.4181	-94.0970		Concrete							
0010-13-OF-005629	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 300 FEET NORTH OF HWY 67	33.4196	-94.0957		Concrete							
2925-03-OF-005711	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 500 FEET EAST OF US HWY 59	33.3517	-94.1361		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1231-01-OF-005729	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 60 FEET SOUTH OF ALUMAX DRIVE	33.4503	-94.1305		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0945-02-OF-005596	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 558 300 FEET NORTH OF LIBERTY STREET	33.3978	-94.0641		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2050-03-OF-005496	Phase II Outfall	unlikely discharge	SOUTH SIDE OFSTATE HWY 71 600 FEET EAST OF FM 3527	33.3855	-94.0901		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005507	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 93 2980 FEET EAST OF HWY 59	33.3982	-94.0881		Earthen							

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0046-06-OF-005708	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 82 600 FEET EAST OF CLARK	33.4433	-94.1082		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2878-01-OF-005586	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 2878 650 FEET SOUTH OF COOPER ROAD	33.4621	-94.1205		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-02-OF-005533	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 775 FEET SOUTH OF IH30	33.4502	-94.0977		Concrete							
0945-01-OF-005608	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 25 FEET NORTH OF S PARK	33.4609	-94.0659		Concrete							
2422-01-OF-005742	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 2516 420 FEET SOUTH OF STARLITE DRIVE	33.3541	-94.1226		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2422-01-OF-005748	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 2516 25 FEET SOUTH OF STARLITE DRIVE	33.3551	-94.1228		Concrete							
0610-07-OF-005470	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 1785 FEET EAST OF 2148	33.4572	-94.1533		Earthen							
0610-07-OF-005471	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 1795 FEET EAST OF 2148	33.4571	-94.1532		Concrete							
0010-13-OF-005474	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 200 FEET SOUTH OF US HWY 59	33.4187	-94.0951		Concrete							
0610-07-OF-005483	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 4500 FEET WEST OF 59	33.4524	-94.1132		Earthen							
0010-13-OF-005488	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 400 FEET WEST OF ROBISON	33.4208	-94.0817		Concrete							
1020-01-OF-005438	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 559 800 FEET EAST OF SCOTT WRIGHT ROAD	33.4810	-94.1081		Concrete							
1231-01-OF-005508	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 60 FEET NORTH OF BRILEY STREET	33.4443	-94.1306		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.

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2879-02-OF-005648	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 2240 30 FEET EAST OF COWHORN CREEK ROAD	33.4723	-94.0778		Concrete							
2878-01-OF-005427	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 1297 25 FEET NORTH OF HAWK ROAD	33.4680	-94.1154		Concrete							
0218-02-OF-005531	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 550 FEET SOUTH OF IH30	33.4510	-94.0982		Earthen							
0218-02-OF-005532	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 450 FEET SOUTH OF IH30	33.4514	-94.0985		Earthen							
0218-02-OF-005534	Phase II Outfall	unlikely discharge	WEST SIDE OF 59 605 FEET SOUTH OF HWY 30	33.4504	-94.0984		Concrete							
2879-01-OF-005536	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 1297 475 FEET EAST OF WINDMERE STREET	33.4647	-94.1030		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
1020-01-OF-005443	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 559 275 FEET WEST OF SCOTT WRIGHT ROAD	33.4826	-94.1106		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005709	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 875 FEET NORTH OF FM 3244	33.3542	-94.1356		Earthen							
1231-01-OF-005719	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 100 FEET SOUTH OF ARRINGTON STREET	33.4589	-94.1313		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-02-OF-005524	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 780 FEET SOUTH OF IH30	33.4501	-94.0978		Concrete							
0610-07-OF-005448	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 2600 FEET EAST OF SUMMERHILL	33.4704	-94.0519		Concrete							
0610-07-OF-005646	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 4000 FEET WEST OF HWY 59	33.4521	-94.1110		Concrete							
0610-07-OF-005447	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 2600 FEET EAST OF SUMMERHILL	33.4704	-94.0519		Earthen							
2879-02-OF-005649	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 2240 10 FEET EAST OF COWHORN CREEK ROAD	33.4724	-94.0780		Concrete							
0218-01-OF-005559	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 125 FEET NORTH OF 4TH STREET	33.4198	-94.0613		Earthen							

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0218-01-OF-005571	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 100 FEET NORTH OF 4TH STREET	33.4197	-94.0610		Earthen							
0218-01-OF-005679	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 500 FEET NORTH OF ELMWOOD STREET	33.3584	-94.1328		Earthen							
0218-02-OF-005706	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1200 FEET SOUTH OF 82	33.4374	-94.0971		Earthen							
0610-07-OF-005753	Phase II Outfall	unlikely discharge	NORTH OF HWY 30 2500 FEET WEST OF SUMMERHILL ROAD	33.4603	-94.0786		Earthen							
ATL_BW_00021	Phase II Outfall	unlikely discharge	West of Cowhorn Creek Road at Outback steakhouse SW Quad	33.4596	-94.0783	Natural	Earthen	None	normal	plastic	n/a	n/a	n/a	Ditch
ATL_BW_00022	Phase II Outfall	unlikely discharge	West Cowhorn Creek Road South of frontage road	33.4596	-94.0782	Other	Concrete	None	none	none	n/a	n/a	n/a	Concrete rock mix
ATL_BW_00026	Phase II Outfall	unlikely discharge	Between ramp and eastbound mainlane SE Quad	33.4683	-94.0590	Box	Concrete	None	normal	none	n/a	n/a	n/a	Drop inlet
0218-02-OF-005639	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1600 FEET SOUTH OF 82	33.4347	-94.0970		Earthen							
0218-01-OF-005604	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 800 FEET EAST OF BUCHANNAN STREET	33.4046	-94.0627		Concrete							
2925-03-OF-005615	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 1490 FEET WEST OF US HWY 59	33.3498	-94.1336		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005514	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 1300 FEET NORTH OF 4728	33.3907	-94.1051		Earthen							
0218-01-OF-005515	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 3010 FEET NORTH OF 4728	33.3907	-94.1050		Concrete							
0218-01-OF-005516	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 3020 FEET NORTH OF 4728	33.3907	-94.1050		Earthen							
0218-01-OF-005696	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 3000 FEET NORTH OF 2516	33.3774	-94.1175		Concrete							
1231-01-OF-005590	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 300 FEET SOUTH OF 7TH STREET	33.4138	-94.1217		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.

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Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
2050-03-OF-005495	Phase II Outfall	unlikely discharge	NORTH SIDE OF STATE HWY 71 2000 FEET EAST OF FM 3527	33.3866	-94.0832		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0217-02-OF-005579	Phase II Outfall	unlikely discharge	EAST SIDE OF US HWY 59 200 FEET NORTH EDGEHILL	33.4883	-94.0429		Concrete							
2878-01-OF-005583	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 1297 75 FEET NORTH OF HAWK ROAD	33.4681	-94.1157		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005478	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 5225 FEET EASTOF 989	33.4520	-94.1137		Concrete							
0610-07-OF-005726	Phase II Outfall	unlikely discharge	SOUTHWEST CORNER OF HWY 30 & HWY 989 INTERSECTION	33.4537	-94.1320		Concrete							
2878-01-OF-005429	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 1297 900 FEET EAST OF FM 2878	33.4642	-94.1172		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005605	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 775 FEET EAST OF BUCHANNAN STREET	33.4046	-94.0627		Earthen							
0218-02-OF-005545	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 2125 FEET SOUTH OF IH35	33.4477	-94.0970		Concrete							
2879-01-OF-005521	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 1297 200 FEET EAST OF TWIN OAKS ROAD	33.4645	-94.1072		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005737	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 750 FEET WEST OF FM 2516	33.3486	-94.1252		Concrete							
2422-01-OF-005743	Phase II Outfall	unlikely discharge	SOUTHEAST INTERSECTION OF FM 2516 AND STARLITE DRIVE	33.3552	-94.1228		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2422-01-OF-005744	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2516 410 SOUTH OF STARLITE DRIVE	33.3541	-94.1228		Concrete							
0945-01-OF-005666	Phase II Outfall	unlikely discharge	EAST SIDE OF 1397 540 FEET NORTH OF HERITAGE OAK	33.4935	-94.0744		Earthen							

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Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
0610-07-OF-005453	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 2620 FEET EAST OF SUMMERHILL	33.4697	-94.0517		Earthen							
0610-07-OF-005457	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 1530 FEET WEST OF HWY 71	33.4707	-94.0486		Concrete							
2878-01-OF-005585	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 2878 600 FEET SOUTH OF COOPER ROAD	33.4622	-94.1205		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005565	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 200 FEET NORTH OF KEEL	33.4130	-94.0607		Earthen							
0945-01-OF-005662	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 260 FEET SOUTH OF FOREST BROOK	33.4893	-94.0748		Earthen							
0218-01-OF-005716	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 850 FEET NORTH OF FM 3244	33.3543	-94.1360		Earthen							
2925-03-OF-005717	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 3244 575 FEET EAST OF US HWY 59	33.3518	-94.1359		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005454	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 2080 FEET WEST OF HWY 71	33.4700	-94.0501		Concrete							
0610-07-OF-005455	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 1550 FEET WEST OF HWY 71	33.4707	-94.0487		Concrete							
0218-02-OF-005527	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 2050 FEET SOUTH OF IH30	33.4479	-94.0970		Concrete							
0610-07-OF-005647	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 4010 FEET WEST OF HWY 59	33.4521	-94.1113		Earthen							
0610-07-OF-005653	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 1050 FEET WEST OF SUMMERHILL ROAD	33.4625	-94.0721		Concrete							
ATL_BW_00002	Phase II Outfall	unlikely discharge	South side FM 559 East of pg road True Colors hair design	33.4808	-94.1083	Circular	Concrete	None	Normal	none	n/a	n/a	n/a	Drop Inlet South side FM 559
0218-01-OF-005563	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 160 FEET SOUTH OF NORTH STREET	33.4138	-94.0607		Concrete							
2879-01-OF-005481	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 1297 225 FEET EAST OF TWIN OAKS ROAD	33.4647	-94.1071		Concrete							
0218-01-OF-005570	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 125 FEET NORTH OF 4TH STREET	33.4197	-94.0610		Earthen							

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0218-02-OF-005575	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 150 FEET SOUTH OF FINDLEY STREET	33.4019	-94.0982		Concrete							
0218-01-OF-005680	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 480 FEET NORTH OF ELMWOOD STREET	33.3583	-94.1329		Concrete							
0218-01-OF-005682	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 1250 FEET SOUTH OF FM 2516	33.3676	-94.1253		Earthen							
2422-01-OF-005684	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2516 900 FEET SOUTH OF HWY 59	33.3683	-94.1226		Earthen							ACTIVE ROADWAY CONSTRUCTION, LARGE AMOUNT OF SEDIMENT
0218-01-OF-005698	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 1000 FEET SOUTH OF GUN CLUB	33.3799	-94.1156									
0610-07-OF-005751	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 75 FEET EAST OF ROYAL	33.4586	-94.0823		Concrete							
ATL_HS_00049	Phase II Outfall	unlikely discharge	300 feet North of Mona Ave	32.5103	-94.6768	Box	Concrete	None	normal	none	n/a	n/a	n/a	Drop inlet in median 300 feet north of Mona
ATL_BW_00013	Phase II Outfall	unlikely discharge	East FM 989 Front Robbins toyota between main lane and ramp	33.4535	-94.1269	Box	Concrete	None	normal	none	n/a	n/a	n/a	
0610-07-OF-005551	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 955 FEET EAST OF HWY 59	33.4527	-94.0954		Concrete							
0218-01-OF-005577	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 675 FEET SOUTH OF FINDLEY	33.4002	-94.0971		Unknown							MOST OF OUTFALL IS SUBMERGED UNDER WATER
ATL_BW_00023	Phase II Outfall	unlikely discharge	West Cowhorn Creek Road North of eastbound frontage road	33.4598	-94.0783	Circular	Concrete	None	normal	none	n/a	n/a	n/a	Two pipes believe to Drop into box under drive
ATL_BW_00029	Phase II Outfall	unlikely discharge	Between main lanes East of Railroad	33.4702	-94.0485	Box	Concrete	None	none	none	n/a	n/a	n/a	Drop inlet
1231-01-OF-005587	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 325 FEET SOUTH OF 7TH ST	33.4138	-94.1212		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2878-01-OF-005430	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 1297 900 FEET EAST OF FM 2878	33.4642	-94.1175		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.

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Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
1231-01-OF-005433	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 988 100 FEET NORTH OF BRILEY STREET	33.4444	-94.1306		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005670	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 465 FEET NORTH OF ELMWOOD STREET	33.3579	-94.1327		Earthen							
0218-01-OF-005686	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1005 FEET SOUTH OF 989	33.3855	-94.1116		Earthen							
0945-01-OF-005511	Phase II Outfall	unlikely discharge	EAST SIDE OF 1397 295 FEET SOUTH OF SUMMERHILL ROAD	33.4811	-94.0724		Earthen							
0010-13-OF-005491	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 100 FEET EAST OF ROBISON	33.4210	-94.0802		Concrete							
0218-01-OF-005710	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 900 FEET EAST OF FM 3244	33.3543	-94.1354		Earthen							
0218-02-OF-005576	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 675 FEET SOUTH OF FINDLEY STREET	33.4000	-94.0986		Concrete							
0610-07-OF-005540	Phase II Outfall	unlikely discharge	NORTH OF HWY 30 480 FEET EAST OF HWY 59	33.4529	-94.0973		Earthen							
2878-01-OF-005581	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2878 600 FEET SOUTH OF COOPER ROAD	33.4622	-94.1208		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005613	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 2005 FEET WEST OF FM 2516	33.3486	-94.1294		Concrete							
0218-01-OF-005597	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 93 650 FEET SOUTHWEST OF CADDO STREET	33.4055	-94.0616		Earthen							
0218-01-OF-005598	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 700 FEET SOUTHWEST OF CADDO STREET	33.4052	-94.0619		Earthen							
1231-01-OF-005736	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 350 FEET NORTH OF CATHERINE STREET	33.4702	-94.1426		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005675	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 3500 FEET NORTH OF 3244	33.3611	-94.1309		Earthen							

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Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
0610-07-OF-005466	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 1775 FEET EAST OF 2148	33.4563	-94.1534		Concrete							
0610-07-OF-005467	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 1795 FEET EAST OF 2148	33.4563	-94.1533		Concrete							
ATL_BW_00038	Phase II Outfall	unlikely discharge	West of Richmond North side westbound frontage road NW Quad	33.4535	-94.0958	Natural	Earthen	None	poor growth	none	n/a	n/a	n/a	Natural Ditch with erosion
0046-06-OF-005501	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 82 1200 FEET EAST OF ROBISON	33.4356	-94.0754		Concrete							
0218-02-OF-005705	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1200 FEET SOUTH OF 82	33.4374	-94.0972		Concrete							
0218-01-OF-005557	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 145 FEET NORTH OF 4TH STREET	33.4199	-94.0613		Concrete							
0218-02-OF-005544	Phase II Outfall	unlikely discharge	EAST SIDE OF US HWY 59 1425 FEET SOUTH OF INTERSTATE HIGHWAY 30	33.4485	-94.0964		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005712	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 525 FEET EAST OF US HWY 59	33.3516	-94.1360		Concrete							
0218-02-OF-005529	Phase II Outfall	unlikely discharge	WEST SIDE OF 59 600 FEET SOUTH OF HWY 30	33.4505	-94.0983		Earthen							
0610-07-OF-005642	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 1000 FEET EAST OF 989	33.4532	-94.1267		Concrete							
0610-07-OF-005643	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 5700 FEET EASTOF 989	33.4517	-94.1114		Earthen							
0610-07-OF-005651	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 1100 FEET WEST OF SUMMERHILL	33.4626	-94.0723		Concrete							
0610-07-OF-005555	Phase II Outfall	unlikely discharge	SOUTH SIDE OF INTERSTATE HWY 30 1535 FEET EAST OF US HWY 59	33.4536	-94.0926		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005558	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 140 FEET NORTH OF 4TH STREET	33.4199	-94.0613		Earthen							
0010-13-OF-005477	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 125 FEET EAST OF US HWY 59	33.4185	-94.0954		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.

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Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
0218-02-OF-005702	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1450 FEET SOUTH OF 82	33.4357	-94.0971		Concrete							
0610-07-OF-005450	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 480 FEET WEST OF HWY 71	33.4699	-94.0483		Earthen							
1231-01-OF-005720	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 75 FEET NORTH OF BRILEY STREET	33.4503	-94.1308		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
ATL_HS_00050	Phase II Outfall	unlikely discharge	Southwest quad 300 feet North of Mona Avenue	32.5102	-94.6771	Natural	Earthen	None	normal	none	n/a	n/a	n/a	300 feet North of Mona Avenue
ATL_HS_00051	Phase II Outfall	unlikely discharge	Northwest quad 300 feet North of Mona Avenue	32.5103	-94.6772	Other	Concrete	None	normal	none	trickle	clear	SE	Rip rap ditch 300 feet North of Mona Avenue
ATL_HS_00045	Phase II Outfall	unlikely discharge	South side of stream West side of Loop 281 260 feet North of Page Road	32.5197	-94.6861	Other	Rip Rap	None	over-flourishing	none	n/a	n/a	n/a	rip rap north to unnamed tributary
ATL_BW_00010	Phase II Outfall	unlikely discharge	SE Quad US 59 ramp	33.4503	-94.0984	Natural	Earthen	None	normal	none	n/a	n/a	n/a	
ATL_BW_00017	Phase II Outfall	Mapping	North eastbound/frontage road South of mainlane	33.4519	-94.0974	Circular	Concrete	None	normal	none	less half capacity	cloudy	N	Natural flow
ATL_BW_00020	Phase II Outfall	unlikely discharge	East side of Richmond Road exit. Just East of Marriot Fairfield Inn on Access Road South of IH 30	33.4536	-94.0926	Box	Concrete	None	normal	none	n/a	n/a	n/a	Drop inlet
1231-01-OF-005432	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 75 FEET NORTH OF BRILEY STREET	33.4444	-94.1308		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005486	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 3244 740 FEET WEST OF FM 2516	33.3487	-94.1251		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005568	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 380 FEET NORTH OF KEEL	33.4132	-94.0604		Earthen							
0010-13-OF-005498	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 65 FEET EAST OF DOUGLAS	33.4216	-94.0730		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.

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ATL_BW_00018	Phase II Outfall	unlikely discharge	Between southbound 59 bridge and westbound IH30 bridge	33.4517	-94.0987	Natural	Earthen	None	poor growth	none	half capacity	clear	S	Natural bottom
0046-08-OF-005621	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 559 50 FEET WEST OF SPRUCE STREET	33.4400	-94.0554		Concrete							
0010-13-OF-005588	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 1000 FEET WEST OF TRUMAN ROAD	33.4146	-94.1255		Concrete							
2878-01-OF-005428	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 1297 75 FEET NORTH OF HAWK ROAD	33.4681	-94.1154		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0010-13-OF-005437	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 1050 FEET WEST OF TRUMAN ROAD	33.4120	-94.1419		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0945-01-OF-005625	Phase II Outfall	unlikely discharge	EAST SIDE OF STATE HWY 93 700 FEET NORTH OF US HWY 82	33.4369	-94.0626		Concrete							
0218-02-OF-005628	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 160 FEET NORTH OF HWY 67	33.4192	-94.0969		Concrete							
0218-02-OF-005630	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 200 FEET SOUTH OF HWY 67	33.4181	-94.0961		Concrete							
1231-01-OF-005594	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 130 FEET NORTH OF KINGS WAY DRIVE	33.4270	-94.1281		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005480	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 5250 FEET EASTOF 989	33.4518	-94.1135		Earthen							
2050-03-OF-005494	Phase II Outfall	unlikely discharge	NORTH SIDE OF STATE HWY 71 2000 FEET EAST OF FM 3527	33.3866	-94.0829		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
ATL_BW_00031	Phase II Outfall	unlikely discharge	West of Railroad North side at KOA campground	33.4710	-94.0486	Natural	Earthen	None	over-flourishing	plastic	n/a	n/a	n/a	North side at KOA campground
0046-06-OF-005502	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 82 1200 FEET EAST OF ROBISON	33.4356	-94.0752		Concrete							

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Outfall Name	Outfall Type	Outfall Classification	Location Description	Outfall Latitude	Outfall Longitude	Outfall Shape	Material Type	Stain Color	Vegetation Condition	Floatable Type	Flow Volume	Turbidity Type	Discharge Route	Observation Comments
0218-01-OF-005506	Phase II Outfall	unlikely discharge	NORTH SIDE OF 93 3000 FEET EAST OF HWY 59	33.3984	-94.0879		Earthen							
0610-07-OF-005724	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 1900 FEET WEST OF 989	33.4546	-94.1372		Concrete							
0218-01-OF-005602	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 650 FEET SOUTHWEST OF CADDO STREET	33.4052	-94.0614		Earthen							
0610-07-OF-005522	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 1000 FEET WEST OF HWY 59	33.4521	-94.1025		Earthen							
2422-01-OF-005746	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2516 400 FEET SOUTH OF STARLITE DRIVE	33.3542	-94.1229		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005750	Phase II Outfall	unlikely discharge	NORTH OF HWY 30 80 FEET EAST OF ROYAL	33.4587	-94.0823		Earthen							
2422-01-OF-005674	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 2516 900 FEET SOUTH OF HWY 59	33.3683	-94.1228		Concrete							
0610-07-OF-005445	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 2620 FEET EAST OF SUMMERHILL	33.4704	-94.0518		Earthen							
0945-02-OF-005595	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 558 325 FEET NORTH OF LIBERTY STREET	33.3979	-94.0640		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1231-01-OF-005733	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 400 FEET SOUTH OF CATHERINE STREET	33.4705	-94.1425		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005697	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 3110 FEET NORTH OF 2516	33.3774	-94.1175									
0945-02-OF-005459	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 558 600 FEET NORTH OF STATE HWY 71	33.3881	-94.0658		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0945-02-OF-005461	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 558 600 FEET NORTH OF STATE HWY 71	33.3882	-94.0663		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.

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0945-02-OF-005462	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 558 600 FEET NORTH OF STATE HWY 71	33.3881	-94.0663		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1020-01-OF-005444	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 559 800 FEET EAST OF SCOTT WRIGHT ROAD	33.4810	-94.1083		Concrete							
0610-07-OF-005446	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 2610 FEET EAST OF SUMMERHILL	33.4704	-94.0518		Concrete							
0610-07-OF-005468	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 3650 FEET EAST OF 2148	33.4558	-94.1471		Earthen							
0610-07-OF-005469	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 3640 FEET EAST OF 2148	33.4558	-94.1471		Concrete							
2925-03-OF-005485	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 3244 750 FEET WEST OF FM 2516	33.3487	-94.1253		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2422-01-OF-005747	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 2516 50 FEET SOUTH OF STARLITE DRIVE	33.3550	-94.1228		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005523	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 1010 FEET WEST OF HWY 59	33.4521	-94.1027		Earthen							
2422-01-OF-005745	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2516 420 FEET SOUTH OF STARLITE DRIVE	33.3541	-94.1229		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1231-01-OF-005734	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 350 FEET NORTH OF CATHERINE STREET	33.4703	-94.1424		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005715	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 875 FEET NORTH OF FM 3244	33.3544	-94.1359		Concrete							

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2879-01-OF-005548	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 1297 475 FEET EAST OF WINDMERE STREET	33.4645	-94.1030		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005561	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 100 FEET NORTH OF 4TH STREET	33.4198	-94.0613		Earthen							
0218-01-OF-005574	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 93 385 NORTH OF KEEL	33.4133	-94.0603		Earthen							
0218-01-OF-005677	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 460 FEET NORTH OF ELMWOOD STREET	33.3581	-94.1330		Earthen							
0218-01-OF-005691	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 1010 FEET SOUTH OF 989	33.3853	-94.1113		Earthen							
0218-01-OF-005693	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 1005 FEET SOUTH OF 989	33.3854	-94.1113		Concrete							
0218-02-OF-005637	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 3960 FEET SOUTH OF 82	33.4307	-94.0955		Concrete							
0010-13-OF-005489	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 405 FEET WEST OF ROBISON	33.4208	-94.0817		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1231-01-OF-005721	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 100 FEET SOUTH OF ARRINGTON STREET	33.4588	-94.1315		Earthen							
ATL_BW_00036	Phase II Outfall	unlikely discharge	West of Cowhorn Creek Road North side westbound frontage road NW Quad	33.4604	-94.0799	Trapezoid	Concrete	None	other	none	n/a	n/a	n/a	Creek backs up into Ditch outfall west of box
0945-01-OF-005512	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 300 FEET SOUTH OF SUMMERHILL ROAD	33.4808	-94.0727		Earthen							
0945-01-OF-005513	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 295 FEET SOUTH OF SUMMERHILL ROAD	33.4809	-94.0727		Earthen							
0010-13-OF-005592	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 400 FEET EAST OF CR1307	33.4149	-94.1255		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.

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0945-01-OF-005609	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 135 FEET NORTH OF DE SOTO	33.4580	-94.0656		Concrete							
0610-07-OF-005610	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 2000 FEET EAST OF SUMMERHILL	33.4678	-94.0593		Concrete							
0010-13-OF-005492	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 150 FEET EAST OF ROBISON	33.4210	-94.0800		Concrete							
0010-13-OF-005499	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 75 FEET EAST OF DOUGLAS	33.4216	-94.0729		Concrete							
0010-13-OF-005500	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 100 FEET EAST OF DOUGLAS	33.4220	-94.0727		Concrete							
0610-07-OF-005749	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 2505 FEET WEST OF SUMMERHILL ROAD	33.4597	-94.0783		Concrete							
2878-01-OF-005584	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 1279 25 FEET NORTH OF HAWK ROAD	33.4680	-94.1156		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0218-02-OF-005704	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1300 FEET SOUTH OF 82	33.4369	-94.0972		Concrete							
1231-01-OF-005722	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 80 FEET SOUTH OF ARRINGTON STREET	33.4589	-94.1315		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1231-01-OF-005517	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 100 FEET NORTH OF KINGS WAY DRIVE	33.4270	-94.1277		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1231-01-OF-005518	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 989 300 FEET SOUTH OF 7TH STREET	33.4138	-94.1213		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005599	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 93 835 FEET EAST OF BUCHANNAN STREET	33.4049	-94.0628		Earthen							
0218-01-OF-005600	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 700 FEET SOUTWEST OF CADDO STREET	33.4050	-94.0618		Concrete							

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0218-01-OF-005601	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 675 FEET SOUTHWEST OF CADDO STREET	33.4052	-94.0616		Concrete							
0945-02-OF-005607	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 558 300 FEET NORTH OF LIBERTY STREET	33.3978	-94.0639		Concrete							
1231-01-OF-005735	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 400 FEET NORTH OF CATHERINE STREET	33.4705	-94.1427		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005738	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 740 FEET WEST SIDE OF FM 2516	33.3485	-94.1251		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-02-OF-005578	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 600 FEET NORTH OF FINDLEY STREET	33.4045	-94.0968		Reinforced Concrete							5 CONVEYANCES
0218-01-OF-005562	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 150 FEET SOUTH OF NORTH STREET	33.4138	-94.0607		Earthen							
0218-01-OF-005694	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 990 FEET SOUTH OF GUN CLUB	33.3800	-94.1155		Earthen							
0610-07-OF-005538	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 1650 FEET EAST OF HWY 59	33.4539	-94.0935		Concrete							
0218-02-OF-005541	Phase II Outfall	unlikely discharge	EAST SIDE OF US HWY 59 1500 FEET SOUTH OF INTERSTATE HIGHWAY 30	33.4482	-94.0964		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
1231-01-OF-005732	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 989 225 FEET SOUTH OF COOPER STREET	33.4656	-94.1345		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0945-01-OF-005654	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 300 FEET SOUTH OF MOORES	33.4713	-94.0693		Concrete							
2925-03-OF-005718	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 3244 600 FEET EAST OF US HWY 59	33.3517	-94.1358		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005656	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 1200 FEET WEST OF SUMMERHILL	33.4631	-94.0724		Concrete							

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0610-07-OF-005657	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 1150 FEET WEST OF SUMMERHILL	33.4632	-94.0721		Concrete							
0945-01-OF-005658	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 250 FEET SOUTH OF FOREST BROOK	33.4892	-94.0748		Earthen							
2879-01-OF-005535	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 1297 500 FET EAST OF WINDMERE STREET	33.4647	-94.1029		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATIFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005560	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 115 FEET NORTH OF 4TH STREET	33.4198	-94.0613		Concrete							
0010-13-OF-005487	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 100 FEET EAST OF ROBISON	33.4207	-94.0800		Concrete							
0218-01-OF-005566	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 205 FEET NORTH OF KEEL	33.4130	-94.0606		Concrete							
0218-01-OF-005683	Phase II Outfall	unlikely discharge	WEST SIDE OF FM 2516 925 FEET SOUTH OF HWY 59	33.3682	-94.1226		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0218-01-OF-005685	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 1000 FEET SOUTH OF 988	33.3856	-94.1115		Earthen							
0218-02-OF-005700	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 59 1600 FEET SOUTH OF 8878	33.4389	-94.0972		Earthen							
ATL_HS_00046	Phase II Outfall	unlikely discharge	600 feet North of Cedar Hill road Southwest quad Loop 281	32.5138	-94.6804	Natural	Earthen	None	normal	none	n/a	n/a	n/a	natural ditch to unnamed tributary Mason Creek
ATL_BW_00034	Phase II Outfall	unlikely discharge	East of Summerhill South side of westbound frontage road	33.4688	-94.0591	Box	Concrete	None	none	none	n/a	n/a	n/a	Replaces 2 with 1 Drop Inlet
ATL_BW_00012	Phase II Outfall	unlikely discharge	East of 989 Front Robbins toyota	33.4534	-94.1275	Box	Concrete	None	normal	none	n/a	n/a	n/a	Drop inlet that flows west
ATL_BW_00015	Phase II Outfall	unlikely discharge	West of Ross Perot South of IH30 between MR and frontage road	33.4516	-94.1115	Box	Concrete	None	normal	none	n/a	n/a	n/a	Drop Inlet
ATL_BW_00003	Phase II Outfall	unlikely discharge	North side of FM 559 NE quad True Colors hair design	33.4811	-94.1080	Circular	Concrete	None	Normal	none	n/a	n/a	n/a	Pipe inside box culvert Northeast quad
0218-01-OF-005556	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 93 150 FEET NORTH OF 4TH	33.4200	-94.0613		Earthen							
0218-01-OF-005606	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 93 800 FEET EAST OF BUCHANNAN STREET	33.4048	-94.0629		Earthen							

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0046-06-OF-005707	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 82 650 FEET EAST OF CLARK	33.4434	-94.1078		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0945-01-OF-005661	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 530 FEET NORTH OF HERITAGE OAK	33.4935	-94.0746		Earthen							
0218-01-OF-005503	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 2980 FEET EAST OF HWY 59	33.3979	-94.0880		Earthen							
ATL_BW_00027	Phase II Outfall	unlikely discharge	West of Railroad overpass Front Blackburns	33.4698	-94.0521	Box	Concrete	None	normal	none	n/a	n/a	n/a	Drop Inlet
ATL_BW_00033	Phase II Outfall	unlikely discharge	West of Railroad North side Frontage Road	33.4706	-94.0518	Natural	Earthen	None	normal	none	n/a	n/a	n/a	
2925-03-OF-005616	Phase II Outfall	unlikely discharge	SOUTH SIDE OF FM 3244 1500 FEET EAST SIDE OF US HWY 59	33.3497	-94.1334		Concrete							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
2925-03-OF-005618	Phase II Outfall	unlikely discharge	NORTH SIDE OF FM 3244 2000 FEET WEST OF FM 2516	33.3487	-94.1293		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0010-13-OF-005591	Phase II Outfall	unlikely discharge	NORTH SIDE OF US HWY 67 350 FEET EAST OF CR 1307	33.4148	-94.1259		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.
0610-07-OF-005723	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 1895 FEET WEST OF 989	33.4546	-94.1372		Earthen							
0610-07-OF-005537	Phase II Outfall	unlikely discharge	NORTH SIDE OF HWY 30 1655 FEET EAST OF 59	33.4540	-94.0935		Concrete							
0218-01-OF-005603	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 93 825 FEET EAST OF BUCHANNAN STREET	33.4047	-94.0625		Earthen							
0945-01-OF-005660	Phase II Outfall	unlikely discharge	WEST SIDE OF HWY 1397 535 FEET NORTH OF HERITAGE OAK	33.4936	-94.0745		Concrete							
2422-01-OF-005741	Phase II Outfall	unlikely discharge	EAST SIDE OF FM 2516 400 FEET SOUTH OF STARLITE DRIVE	33.3542	-94.1227		Earthen							WIDTH AND DEPTH MEASUREMENTS WERE NOT MEASURED IN THE FIELD AND MAY BE INACCURATE. THE VALUES FOR WIDTH AND DEPTH ARE DEFAULT VALUES, ENTERED TO SATISFY PBSJ DATA QA/QC REQUIREMENTS.

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0218-01-OF-005667	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 3430 FEET NORTH OF 3244	33.3609	-94.1303		Concrete							
0218-01-OF-005669	Phase II Outfall	unlikely discharge	EAST SIDE OF HWY 59 500 FEET NORTH OF ELMWOOD STREET	33.3581	-94.1325		Earthen							
0610-07-OF-005451	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 2000 FEET EAST OF SUMMERHILL	33.4688	-94.0592		Earthen							
0610-07-OF-005452	Phase II Outfall	unlikely discharge	NORTH SIDE HWY 30 2050 FEET EAST OF SUMMERHILL	33.4689	-94.0590		Earthen							
0610-07-OF-005458	Phase II Outfall	unlikely discharge	SOUTH SIDE OF HWY 30 2600 FEET EAST OF SUMMERHILL ROAD	33.4697	-94.0518		Earthen							
0610-07-OF-005449	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 1500 FEET WEST OF HWY 71	33.4699	-94.0484		Earthen							
0010-13-OF-005475	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 185 FEET EAST OF US HWY 59	33.4187	-94.0952		Concrete							
0010-13-OF-005476	Phase II Outfall	unlikely discharge	SOUTH SIDE OF US HWY 67 165 FEET EAST OF US HWY 59	33.4187	-94.0953		Concrete							
0610-07-OF-005725	Phase II Outfall	unlikely discharge	SOUTH SIDE HWY 30 2000 FEET WEST OF 989	33.4545	-94.1369		Concrete							

Austin District



Texas Department of Transportation - Austin District Texas Pollutant Discharge Elimination System Permit Number WQ0004645000 / National Pollutant Discharge Elimination System Permit Number TXS000402 Annual Compliance Report

Prepared for Texas Commission on Environmental Quality Wastewater Permitting and Austin Regional Office

Heather Beatty, P.G., Austin District

ANNUAL COMPLIANCE REPORT

July 1, 2016 through November 30, 2016

TPDES Permit Number WQ0004645000 / NPDES Permit Number TXS000402

Certification

and verification of implementation, specifically for the items listed and described below, fulfilling the requirements of the Compliance Schedule for the permit referenced below.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.

Terry G. McCoy, P.E.

Austin District Engineer

Texas Department of Transportation - Austin District

TPDES Permit Number WQ0004645000 / NPDES Permit Number TXS000402

As directed by the conditions of the permit, the following represents the annual system-wide report. The intent is to describe the status of the Storm Water Management Program (SWMP) by addressing each program element in the following separate sections and to provide an overview for the entire Municipal Separate Storm Sewer System (MS4).

Section I. The Annual Compliance Report will address and describe the program elements in the format below:

1. Structural Controls
2. Areas of New Development and Significant Redevelopment
3. Roadways
4. Flood Control Projects
5. Pesticide, Herbicide, and Fertilizer Application
6. Illicit Discharges and Improper Disposal:
7. Spill Prevention and Response
8. Construction Site Runoff
9. Public Education
10. Monitoring Programs
11. Public Involvement and Participation
12. Pollution Prevention/Good Housekeeping for Municipal Operations

Section II. Overview of the MS4

Section III. Appendices

1. Structural Controls:

The permit requires that the MS4 and any storm water structural controls associated with the MS4 be operated in a manner to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP).

To reduce the contaminants from roadway runoff, the Texas Department of Transportation (TxDOT) implements many programs that incorporate permanent structural and non-structural control measures. During the design phase, TxDOT identifies and evaluates the potential of all foreseeable water quality impacts. This evaluation results in a mitigation design which addresses all aspects of the operation from the beginning of construction to the cumulative or indirect effects of the completed facility operations. Appropriate structural controls are proposed according to design specification requirements and within the purview of all other participating resource agencies and stakeholders in the project. A tiered system of mitigation emerges on each project that will dictate the appropriate level of water quality controls to be implemented. At the highest level of concern, the project design may require extended detention ponds, a sedimentation pond, a filtration basin, geotechnical membranes, filtration media, and hazardous material traps. Also, as discussed in Section III, Appendix A of this report, the Austin District of TxDOT has introduced porous pavements which have been a successful innovation in reducing roadway contaminants on the finished roadway. In locations of lower risk, the mitigation may involve low volume detention basins, vegetative controls, or grass lined channels and swales. The type of project and the specific site conditions of geology, slope, erodible potential, and proximity to water conveyances all play a part in the evaluation of sensitivity.

Maintenance of permanent water quality structures and measures ensures that they will continue to function as designed. During the operational phase, TxDOT inspects and maintains its structures according to a schedule originally established by agreement with the TCEQ Edwards Aquifer program. More recent structural controls have inspection and maintenance schedules established in project-specific Edwards Aquifer plans.

In addition to the controls specified for permanent water quality structures, all construction sites have temporary controls. The roadway construction process inherently involves ground disturbance. There are work items of excavation, drill shafts, grading, material stockpiles, and the frequent traffic of large and heavy equipment. All construction sites implement the temporary controls to dissipate the velocity of storm water runoff. Some, but not all, of the devices used are sedimentation/ silt fence fabric, rock berms, geosynthetic liners, temporary seeding, compost "socks", wattles (a mesh tube filled with wood chips), rock gabions, spray mulch, and surface tackifiers or flocculants. All of these examples are intended to reduce erosion and minimize the sedimentation that could possibly adversely affect waterways and water bodies down gradient. The type, size, and placement of these

controls will have ongoing adjustments according to the dynamic of the construction process where location, slope, and soil conditions change. These temporary controls may be intermittently altered but will be present throughout the evolving process until the project is accepted as complete.

2. Areas of New Development and Significant Redevelopment:

The permit requires the implementation of a comprehensive master planning process (or equivalent) to develop, implement, and enforce controls to minimize the discharge of pollutants from areas of new development and significant redevelopment after construction activities are completed.

a. ***New Development – limiting increases in the discharge of pollutants in storm water as a result of development; and***

b. ***Redevelopment – reducing the discharge of pollutants in storm water.***

TxDOT is an agency whose primary function ***is*** the development and redevelopment of roadways. Its purpose is directly involved with change to public infrastructure by either adding capacity, enhancing safety, or providing a new alignment of roadway. For every new project, TxDOT will assess and implement the necessary temporary and permanent control measures for roadway construction. There are always specific measures employed to reduce the potential impacts that storm water may have on receiving waters. TxDOT adopted a guidance document entitled, "Storm Water Management Guidelines for Construction Activities Manual" in March of 2000, which includes criteria and procedures for determining requirements for structural controls and non-structural post construction storm water quality controls on new and significant reconstruction of roadways and highways. This guidance document was replaced by Chapter 13 of the TxDOT Hydraulics Manual and the 2007 Stormwater Inspection Guide. These resources continue to adequately address water quality concerns from the early stages of project development through completion of the construction project. TxDOT, through a Memorandum of Understanding, allows the Texas Commission on Environmental Quality (TCEQ) to review and comment on TxDOT environmental assessments prepared for roadway projects early in the project development stages.

Note: The TPDES permit states that within five (5) years of permit issuance, this measure shall be expanded as necessary to include all new development and significant redevelopment projects that disturb greater than or equal to one acre of land. This will

include projects that are less than one acre which are part of a larger common plan of development that will result in disturbance of one or more acres.

However, since the majority of this MS4 permit area included the Edwards Aquifer Recharge or Contributing Zone, the expanded measures and several other water quality requirements are already in force. Water Pollution Abatement Plans (WPAP) are submitted for any disturbed area within the Recharge Zone and for any disturbed area >5 acres on the Contributing Zone. These projects, plans, water quality controls and management practices are reviewed and approved by the TCEQ Edwards Aquifer program.

3. Roadways:

The permit requires that highways, public streets, and roads within the state system shall be operated and maintained in a manner to minimize the discharge of pollutants, including those pollutants related to deicing or sanding activities. The permit also requires a reduction of the discharge of pollutants to the MEP from road repair, equipment yards, and material storage/maintenance facilities.

TxDOT works to preserve water quality while maintaining and operating the highway system. TxDOT categorizes water quality efforts pertaining to highway operation and maintenance into the following categories: (1) roadside vegetation management; (2) earth disturbing operations; (3) material storage/stockpiles; (4) disposal practices (e.g., wash wastes from stripping trucks, unknown materials found on roadways); (5) spill response; (6) paint removal from bridges, etc.; and (7) other considerations such as the use of TxDOT rights-of-way by other entities, deicing, equipment washing, litter pickup, and street sweeping. All major thoroughfares within the MS4 boundary have contract(s) for pavement sweeping. Also, several other roadways (but not all) have the same operations. Equipment that has sweeping brooms and a regenerative vacuum is operated by TxDOT maintenance personnel on a regular basis.

TxDOT is always reviewing new and comprehensive descriptions of the types of practices and controls that are used to minimize the discharge of pollutants into the MS4. Through a research program with TxDOT, Texas Transportation Institute's Sediment and Erosion Control Lab currently tests erosion control technologies, products and devices to produce and maintain a defensible "Approved Products List" for all sediment and erosion control products used by TxDOT on Texas roadsides. All erosion controls used on TxDOT construction and maintenance projects must first be tested for their performance effectiveness and be certified as an approved product.

This leads to improvements that can be incorporated into developing new controls. Additionally, the TxDOT public education campaign, "Don't Mess with Texas", helps to minimize littering on highways.

It should be noted that roadway incidents with the greatest potential for impacts to water quality come from either the vehicles using that roadway or public activity adjacent to the roadway. TxDOT has only minimal control and no enforcement power over either. The roadway structure itself does not "produce" pollutants in the sense that rainwater runoff will harm adjacent water bodies.

4. Flood Control Projects:

Impacts on receiving water quality shall be assessed for all flood control projects. Where feasible, new flood control structures must be designed and constructed to provide pollutant removal from storm water. If applicable, the retrofitting of existing structural flood control devices to provide additional pollutant removal from storm water shall be implemented, to the MEP.

TxDOT does not typically build structures such as dams, diversions, or similar devices to retain flood waters within existing streams, creeks, or rivers. Instead, hydrologic and hydraulic evaluations are conducted so that the project design proposed will specifically avoid any change to the existing flood water elevations. In the usual context of "flood control", TxDOT designs roadways and bridges so that the resulting structure(s) allows the similar flow regime of volume and velocity that existed prior to the new structure.

To avoid adverse impacts, TxDOT does utilize detention and filtration structures. However, these structures, and others, are to mitigate the contaminant discharge from storm drain systems and roadway runoff that may enter adjacent waterways. Also, some detention basins are intended to simply decrease the flow velocity and avoid the erosion of receiving waters. These types of structures are designed and constructed to last for decades and retrofit changes are rare. All are inspected on a regular basis and maintenance, or possible repairs, do occur. Most will need only minor maintenance and, rarely, more frequent than on a yearly cycle. The structures within the permit area that have undergone retrofit are for the increase in flow volume. Usually this is due to urbanizing development that increases the impervious cover, which in turn, increases the volume and quantity of runoff water pollutants.

5. Pesticide, Herbicide, and Fertilizer Application:

The permit requires the permittee to develop and implement controls to reduce the discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied, by permittee's employees or contractors, to public rights-of-way, or other TxDOT property. The permittee, if it has jurisdiction over lands it does not directly own, shall implement programs to reduce the discharge of pollutants related to the application of pesticides, herbicides, and fertilizers on those lands.

TxDOT controls vegetation overgrowth with both physical and chemical methods. Cutting grass, high weeds, and overhanging tree limbs are maintenance duties that are safety concerns. Herbicides are only used to control certain types of vegetation and those chemicals are applied strictly following the prescribed rate. All TxDOT herbicide applicators are licensed with the Texas Department of Agriculture and receive annual training. TxDOT has contracted with the Texas Transportation Institute (TTI) and partnered with the American Association of State Highway Transportation Officials (AASHTO) on herbicide and pesticide studies and guidelines. The Austin District handling operations for pesticide and herbicide practices are aligned with:

> *The Research Report 1933-3F with TTI (1996) and the Environmental Stewardship Practices, Procedures, and Policies for Highway Maintenance and Construction from the AASHTO Standing Committee on the Environment (2004).*

Also, supervisory personnel for TxDOT strictly enforce the rules of proper handling, storage, and transfer of all these materials whether on the Austin District grounds, Area offices, or Maintenance yards. The Austin District maintenance personnel have continuing seminars and safety classes for updating and reviewing the performance of their duties.

6. Illicit Discharges and Improper Disposal:

a. Non-storm Water: The permit requires an ongoing program to detect and eliminate illicit discharges and improper disposal into the MS4.

TxDOT identifies illicit discharges to its MS4 using periodic inspections and visual monitoring. Although none were reported this year, TxDOT will report any illicit connections or improper disposal to officials of the City of Austin (COA) and the TCEQ.

b. Overflows and Infiltration

(*It is assumed that this issue refers to losses from disposal containers that have leaked or overflowed*). TxDOT does not dispose or discharge any non-storm water materials within the right-of-way. Also, there were no reports of any overflows or unintended infiltration that had reached the right-of-way of the Austin District's MS4.

c. Floatables: The permittee shall ensure the implementation of a program to reduce the discharge of floatables (e.g. litter and other human generated solid refuse) into the MS4, which shall include source controls and, where necessary, structural controls and other appropriate controls.

TxDOT implements a litter pick-up program and roadway cleaning operations to help minimize the discharge of floatables, such as litter and other human generated solid refuse into the MS4. Until this permit was superseded, TxDOT continually monitored the Industrial Oaks (Outfall 5) site for storm events with greater than one tenth of an inch of precipitation and has collected floatable materials at this site at least twice per reporting year. According to the 1999-2000 Annual Compliance Report, TxDOT was in the process of choosing a new floatables monitoring location to replace the Seton Center Water Quality Facility site. In the first permit term, TxDOT submitted a request to the Environmental Protection Agency (EPA) to remove the second monitoring site, located at Seton Center Pond. The EPA did not respond to this request; therefore, TxDOT continues to monitor floatables at only one site. As TCEQ has agreed in the past, finding other suitable monitoring locations is difficult. The issue is to find a location that, by definition, receives storm water discharges that originate exclusively from within the TxDOT MS4 in order to evaluate TxDOT's "contribution" of the floatable litter.

A floatables monitoring program is incorporated into the TPDES permit. This floatables monitoring program is conducted at one site, Outfall 5, located at Industrial Oaks Boulevard in south Austin. This facility drains approximately 73 acres in the vicinity of Loop 1 in south Austin, Texas. Floatables are collected at least twice in a reporting period, as per permit requirements, and TxDOT maintenance personnel clears the sampling area after each sampling Season to ensure that the collected floatables more accurately represent the Season sampled.

Note: Within one year of the permit issuance date, TxDOT was to submit a discussion on the feasibility of a second floatables monitoring location. A letter dated October 1, 2009

addressing the feasibility of a second floatables monitoring location was sent to TCEQ (Appendix F). A TCEQ response letter dated October 8, 2009 recognizes that the addition of a second floatables monitoring location may not be feasible (Appendix F).

During the reporting period covered by this annual report, TRC Environmental Corporation (TRC) collected floatables on one occasion (December 2, 2016). Floatables were characterized by casual observation and identified the most frequently observed items and materials. Floatables were placed into a 5-gallon bucket and quantified as both non-compacted volumes and compacted volumes (compacted volume = volume of floatables following compaction by a weight of approximately 150 pounds). Floatables collected in all events primarily consisted of aluminium cans, plastic bottles, cigarette butts, plastic chip bags, plastic drinking cups, clothing, cardboard, newspaper, construction materials (i.e. wooden trim pieces, tar roofing tiles), plastic zip ties, and plastic straws. TRC did not attempt statistical comparisons of collections but, in general, the type of floatables collected seemed similar in terms of type of materials. Floatables results for this reporting period are provided below and in Table 1.

The December 2, 2016 floatables collection yielded approximately 0.21 cubic-yards of non-compacted floatables and 0.11 cubic-yards of compacted floatables. The collection of floatables was preceded by approximately 5.46 inches of rain for the months of September, October and November. Due to maintenance crew availability, the splitter box at Outfall 005 was not able to be cleaned until October 13, 2016. The total rainfall recorded was 3.37 inches between October 13 and November 30, 2016. If you assume that all of the floatables collected on December 2, 2016 were derived from rains occurring between October 13 and November 30, 2016, then the 0.21 cubic-yards of non-compacted floatables were generated by a total rainfall volume of about 33,075 cubic-yards (3.37 inches of rain over a 73-acre drainage area).

We cannot verify that some unquantifiable amounts of floatables were not washed from the pond prior to one or all of the collection efforts. We also should not assume that rain always falls in uniform amounts basin-wide and that the runoff is always produced in proportion to rainfall.

Table 1. Floatables Results

	September 1, 2016 to November 30, 2016 Season 3 WET
Rainfall Total (inches)	3.37
Rainfall Volume (cubic-yards)	33,075
Non-compacted Volume (cubic-yards)	0.21
Compacted Volume (cubic-yards)	0.11

d. Household Hazardous Waste and Used Motor Vehicle Fluids: The permit requires the implementation of programs to collect used motor vehicle fluids (including, at a minimum, oil and antifreeze) for recycle, reuse, or proper disposal or to collect toxic materials (including paint, solvents, pesticides, herbicides, and other hazardous materials) for recycle, reuse, or proper disposal.

For TxDOT facilities (exclusive of roadway projects) all paints, solvents, pesticides, herbicides, and other hazardous materials are handled according to Material Safety Data Sheets (MSDS) for storage, handling, and disposal. On the network of roadways, TxDOT installs hazardous material traps as a preventative measure to capture spilled materials before they reach a water of the State. TxDOT uses a waste contractor to pick-up abandoned or unknown hazardous materials on the TxDOT rights-of-way for transport to a permitted treatment/disposal facility.

TxDOT's educational campaign, "Don't Mess with Texas", helps to reduce the disposal of unauthorized material along areas of state highways. During construction of roadway projects, strict requirements are included in the construction plan notes that address the handling of waste oil, lubricants, or any spills of hydrocarbons when working within the MS4. When on-site service is performed by TxDOT personnel on TxDOT vehicles, the used filters, waste oil, and waste antifreeze are collected in containers and picked up by a qualified

vendor. When used filters, oil, and antifreeze are picked up, a waste manifest is given to TxDOT for their records and materials are disposed of properly or recycled by the vendor. When TxDOT vehicle maintenance is performed off-site at a vendor's location, the vendor is responsible for the proper disposal or recycling of waste fluids and filters.

Note: The TPDES permit requirement for the permittee to submit, within 90 days of permit issuance, a discussion of how it has evaluated this program component has been fulfilled. A letter dated January 5, 2009 addressing this program component was sent to TCEQ (Appendix F).

e. MS4 Screening and Illicit Inspections: The permittee shall implement the Dry Weather Screening Program to locate portions of the MS4 with suspected illicit discharges and improper disposals.

TxDOT has a program to detect and eliminate illicit discharges and improper disposal to the storm drainage systems under TxDOT control and within the TxDOT rights-of-way. This program consists of the following: (1) periodic inspections and monitoring for dry weather flows and other undesirable environmental impacts; (2) a utility permitting process for storm drain connections; and (3) coordination with municipalities and other regulatory agencies. All illicit connections which may affect surface waters of the State are reported to the TCEQ.

Results of the latest follow up dry weather screening were received in August 2015. The screening was completed by TRC Environmental Corporation according to procedures summarized in ENV Item 341 – MS4 Outfall Mapping, Verification, Follow-up Screening and IDDE Report Form.

One coordination activity with a municipality was initiated during the reporting period. A request to investigate water quality was sent to the COA MS4 Coordinator on September 7, 2016, following observations of dry weather flow entering the TxDOT stormwater drainage system adjacent to US 183. There had been no obvious signs of anything alarming during screening and the flow was suspected to be groundwater. The dry weather flow was later confirmed by the city to be groundwater.

Note: The TPDES permit states that follow up activities to eliminate illicit discharges and improper disposals may be prioritized on the basis of magnitude and the nature of the suspected discharge; sensitivity of the receiving water; or other relevant factors. The entire MS4, but not necessarily each individual outfall, shall be screened at least every year.

f. Elimination of Illicit Discharges and Improper Disposal: The permittee shall require the elimination of illicit discharges and improper disposal practices as expeditiously as reasonably possible. Where elimination of an illicit discharge within 30 days is not possible, the permittee shall require an expeditious schedule for removal of the discharge. In the interim, the permittee shall require the operator of the illicit discharge to take all reasonable and prudent measures to minimize the discharge of pollutants to the MS4.

Due to lack of enforcement power, TxDOT only coordinates with the local municipalities and the TCEQ to report and remedy illicit discharges and improper disposal. Upon detection of a potential illicit connection, TxDOT will investigate to the source or to the limits of the right-of-way. It will then report the problem to the source and to the responsible regulatory agency or the TCEQ hotline. Only licensed hazardous materials operators handle spill response on TxDOT rights-of-way. Should a large or particularly toxic discharge ever occur on TxDOT right-of-way, the hazardous materials crews will have TxDOT equipment and their operators ready to assist with clearing and/or traffic control.

Often, TxDOT will receive notification or complaint from the public about questionable discharges or spills. TxDOT maintenance will be called upon to first verify; however, many of these cases are within the COA jurisdiction. If valid, these calls are directed to COA offices, or the Regional TCEQ, or both.

g. The permittee shall maintain, and update as necessary, a list of industrial discharges directly to the MS4 that have been issued an NPDES or a TPDES permit. The list shall include the name, location, and permit number of the discharger.

The TxDOT Austin District has not received any notification of direct industrial discharges to the MS4 in this reporting year.

h. Within five (5) years from the date of issuance, the permittee shall develop a storm sewer map that includes the location of all outfalls, the names and locations of all waters of the U.S. that receive discharges from the outfalls, and any additional information needed by the permittee to implement its SWMP.

The permit issued October 7, 2008, does list the stream segments of the permitted area. However, discharge quantity, and outfall types will be the necessary clarification for this comprehensive listing. The Austin District would like to suggest consideration for a "weighted" approach in locating the outfalls. A priority could be assigned to locations where high traffic roadways with storm drain systems cross high volume waterways. Since there are numerous outfalls, the database and mapping of the additional locations could progress in descending priority for remaining outfalls throughout the MS4 network.

An outfall map (Appendix H) has been made for the Austin District. The map identifies outfall identification names and the stream segment labels. The locations and associated attributes are maintained in a geographic information system (GIS). This District (permit holder) has joined with the TxDOT division of Environmental Affairs in contributing data for the GIS mapping system for all of TxDOT's separate MS4s. The intent is to operate the mapping and reporting on a standardized state-wide basis. Clarification and coordination will be ongoing.

7. Spill Prevention and Response:

The permittee shall continue to implement, as necessary, existing programs which prevent, contain, and respond to spills that may discharge into the MS4. The spill response programs may include a combination of spill response actions by the permittee (and/or another private entity), and legal requirements for private entities within jurisdiction of the permittee.

TxDOT installs hazardous material traps over the recharge and contributing zones of the Edwards Aquifer as a preventative measure to capture spilled materials before they reach surface waters of the State. TxDOT also coordinates with the TCEQ when responding to spills on the right-of-way. TxDOT directs the responsible party to mitigate the contaminated site to background conditions in a manner that protects the safety of the traveling public. TxDOT has a contract with an emergency response firm to initiate cleanups, as appropriate, when the responsible party is incapable or unwilling to respond. TxDOT reports all spills which may affect surface waters of the State to the TCEQ.

The permittee shall comply with the following area-specific requirements:

a. Within 365 days of permit issuance, the permittee shall coordinate with the U.S. Fish and Wildlife Service to determine areas of concern for endangered karst invertebrates, submit a discussion of which, if any, existing and needed structures have been identified as potential

projects to prevent spills from entering the aquifer, and submit an implementation schedule for those projects identified, not to exceed Year Five of the permit term.

As stated in the 2008/2009 Annual Compliance Report, TxDOT Austin District fulfilled its requirement to coordinate with the United States Fish and Wildlife Service (USFWS) within 365 days of permit issuance. USFWS acknowledged that TxDOT's current processes of interagency coordination are satisfactory, but did reiterate, that "USFWS wants to be notified if any conditions exist where there is any karst (invertebrate) potential." No other issues were mentioned and the USFWS has confirmed that no further action or correspondence was needed. At the request of USFWS, it will be notified if any conditions of endangered karst invertebrates exist near a TxDOT project.

b. Determine the feasibility of designating and posting signs for hazardous material routes, and submit a discussion of the feasibility study and a schedule for implementing this requirement no later than Year Four of this permit term. The permittee shall complete the designating of routes and posting of signs by Year Five of this permit term. This requirement is only applicable if the population of the City of Austin equals or exceeds 750,000 during this permit term.

Background History: A USFWS Biological Opinion (Biological Opinion), dated August 28, 1998, required TxDOT to designate and post (highway signs) for hazardous material routes in accordance with state law within the permit area to limit the transport of hazardous materials in environmentally sensitive areas to the MEP. In the 1999-2000 Annual Compliance Report, TxDOT stated that it was not able to designate and post hazardous material routes and that it was intending to request a permit modification from the EPA. The 2003-2004 Annual Compliance Report indicates that the modification request was sent to the EPA and that TxDOT was waiting for a response. In the letter sent to the EPA requesting modification, TxDOT stated that 43 TAC § 25.103, which governs the designation of non-radioactive hazardous material routes, did not require a city to designate and post signs for hazardous material routes until the population exceeded 750,000.

As of April 1 of 2017[1], the COA population was reported to be 949,587. The Austin District of TxDOT has not yet compiled and obtained a consensus for Hazardous Cargo (HC) Route candidates although this process is underway. TxDOT planners and engineers are involved

[1] City of Austin Demographics. http://www.austintexas.gov/demographics. Site accessed December 6, 2017.

in the process of researching the steps for establishing a Non-Radioactive Hazardous Materials (NRHM) Route. The process is based upon the FHWA "Guidelines for Applying Criteria to Designate Hazmat Routes" (FHWA-SA-94-083). The City of Austin shared draft NRHM routes with the public on February 21, 2017. In its study the city is working with regional stakeholders and the public to designate a set of routes for the transport of NRHM. TxDOT will hold a public hearing after the final report is completed by the city.

Note: The TPDES permit requires the permittee to submit, within 90 days of implementing this requirement, a certification letter verifying that this element has been completed.

c. Incorporate the posting of hazardous material route signs and threats from the transportation of hazardous materials across the Barton Springs Zone into the Hazardous Materials Spill Response Plan by no later than Year Five of this permit term. This requirement is only applicable if the population of the City of Austin equals or exceeds 750,000 during this permit term.

Threats from the transportation of hazardous materials across the Barton Springs Zone (BSZ) have not yet been surveyed and identified; therefore, it appears that this element was not fulfilled in the first permit term due to the COA population count of under 750,000. A spill response plan for the BSZ will be developed after a HC Route is studied and approved by the FHWA.

Note: The TPDES permit requires the permittee to submit, within 90 days of implementing this requirement, a certification letter verifying that this element has been completed. Due to the coordination involved with this process, it is not likely that this element can be completed before the end of the permit term, October of 2013. It is also important to note that while the roadways that cross the Barton Springs Zone would most likely be excluded as an HC route, there are already numerous signs in place that inform the traveling public of its potential sensitivity.

This TPDES requirement may also require more specificity of what qualifies as "hazardous materials across the Barton Springs Zone". For example, the traffic of fuel tankers cannot be restricted as to deny gasoline station deliveries on the Barton Springs Zone.

8. Construction Site Runoff:

The permit requires implementation of a program to reduce the discharge of pollutants from construction sites.

a. For all activities operated by the permittee or its contractors, this program shall include requirements for the use and maintenance of appropriate structural and non-structural control measures to reduce pollutants discharged to the MS4 from construction sites, inspection of construction sites and enforcement of control measure requirements, appropriate education and training measures for construction site operators, and notification to construction site operators of their potential responsibilities under the NPDES/TPDES permitting program for construction site runoff.

b. For all other construction activities which may impact the permittee's MS4, the permittee shall implement a program to reduce the discharge of pollutants into the MS4 from construction sites to the MEP. This program shall include inspection of construction sites and coordination for enforcement through interagency agreements or the TCEQ, appropriate education and training measures for construction site operators, and notification to construction site operators of their potential responsibilities under the NPDES/TPDES permitting program for construction site runoff.

TxDOT implements several measures to address erosion and sedimentation resulting from construction activities. First of all, an engineer reviews and seals the construction plans. This is the professional decision that the design suitability, effectiveness, and design performance of all contaminant mitigation is correct. Within those plans, the construction site operators must comply with the plans and its directives or there are pecuniary penalties. The education and training of personnel with the construction site operator is ultimately their own responsibility. However, a contractor without knowledgeable and trained personnel will not be considered as a qualified bidder for any TxDOT project.

In addition to these administrative requirements, TxDOT also has specific measures that are customarily followed for most projects, which include; (1) planning the highway project to fit the particular topography, soils, drainage patterns, and natural vegetation as much as practicable; (2) sequencing construction to minimize the potential for erosion and sedimentation impact; (3) minimizing the extent and duration of exposure; (4) applying erosion control practices to prevent the discharge of sediments offsite; (5) applying perimeter control practices to protect the disturbed area from off-site runoff and to prevent sedimentation damage to areas down gradient of the construction site; (6) keeping runoff velocities low and retaining runoff onsite where appropriate; (7) stabilizing disturbed areas immediately after final grade has been attained; (8) implementing a thorough inspection, maintenance, and follow-up program; (9) generally following the standard TxDOT specification for "Erosion, Sedimentation and Water Pollution Prevention Control" in all construction projects; and (10) implementing storm water pollution prevention plans for sites subject to the general permit for construction activities.

2012 also saw the implementation of TxDOT's statewide implementation of the Environmental Management System (EMS). A program of specific activities to standardize construction inspections, training and documentation for active site management.

c. The permittee shall maintain, and update as necessary, a list of discharges directly to the MS4 that have been issued an NPDES or TPDES permit. The list shall include the name, location and permit number of the discharges that have been authorized under an NPDES or TPDES permit (if known).

The Austin District occasionally receives construction permit notices or individual permits, from others who intend to build on, near, or over TxDOT rights-of-way. These notices are usually involved with utilities, underground or suspended cables, fiber optics, or electrical power. For these types of construction, soil disturbances are minor and discharge of storm water is negligible. These notices are kept on file. Construction notices of intent are also occasionally received; and three were within the limits of the Austin District's MS4 boundary for this reporting period. If a permit notice is received that indicates a discharge of industrial or storm water will occur onto the TxDOT MS4, that entity is contacted and inquiries are made as to the nature of the intended discharge. If and when this occurs, it will be reported within the Annual Compliance Report.

d. Within five (5) years from date of issuance, the permittee shall ensure that this measure is implemented for all construction activities in the regulated areas that result in a land disturbance of greater than or equal to one acre, or if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more of land, except that the permittee is not required to implement this measure for construction activities where the construction site operator had obtained a waiver from NPDES or TPDES permitting requirements based on a low potential for erosion.

This requirement is handled and is synonymous with the TCEQ's "TPDES Construction General Permit No. TXR150000". The requirement above is in compliance within this permit.

9. Public Education:

The permit requires the Austin District to implement a public education program. The program elements will promote, publicize and facilitate:

a. Public reporting of illicit discharges, disposal of materials, and floatables into the MS4.

b. The proper management and disposal of used oil and toxic materials and;

c. The proper use, application and disposal of pesticides, herbicides and fertilizers by the permittee and its contractors.

TxDOT participates in the following: (1) regional programs to promote, publicize, and facilitate public reporting of the presence of illicit discharges or water quality impacts associated with discharges from municipal separate storm sewers; (2) educational activities for the public to facilitate the proper management and disposal of used oil and toxic material. TxDOT is also creating appropriate educational and training guidelines for TxDOT planners, highway designers, construction site personnel, and maintenance personnel. Public education continues through the public hearing and meeting avenues. At each public meeting or hearing, erosion controls and water quality measures are discussed and these forums remain the most effective method for public education on a District-wide basis. One-page brochures addressing storm water and pollutant education were distributed to citizens attending TxDOT Austin District Public Hearings (Appendix G).

In the past, TxDOT has provided instructional handbooks to teachers on the basics of water quality education. Other similar items such as activity books, novelty temporary tattoos, and textbook covers (Appendix G) have also been distributed to educate children and to instill a sense of responsibility for keeping waterways and storm drains clean. Television and radio public service announcements (PSA) continue every week, urging the public to keep roadways free of litter. In addition, PSA ask drivers to properly maintain their vehicles for improved air quality, fuel savings, and for the prevention of leaking fluids, fuels, and grease on the roadways.

TxDOT employees and contractors also receive "Basic Principles of Erosion and Sediment Control" posters and "Check BMPs If It Rains" rain gauges to further ensure that water quality measures are performed at construction sites. The rain gauges are also freely distributed to the citizens who attend public hearings and meetings for upcoming projects. TxDOT representatives get the opportunity to explain first hand, what "BMPs" are and when they are used. The Austin District of TxDOT also employs an inspector whose sole responsibility is to inspect construction projects on a routine basis to ensure that those projects are in compliance and can note any new dumping, discharges, or litter.

10. Monitoring and Screening Programs:

The permittee shall implement the following monitoring and screening programs:

a. Dry Weather Screening Program: This program shall continue ongoing efforts to detect the presence of illicit connections and improper discharges to the MS4. All areas of the MS4 must be screened at least once during the permit term.

The Dry Weather Screening Program, as required by the previous NPDES permit, was completed during the 2000 reporting period. However, dry weather monitoring actually continues under TxDOT's Erosion Control Program and routine roadway maintenance review.

Due to the vast network of roadways within this MS4, routine maintenance reviews are conducted by TxDOT personnel. They are assigned specific territories and visit and or inspect these areas on a regular basis. The presence of illicit connections or improper discharge would be discovered by these crews during any of their monthly routine inspections.

Results of the latest follow up dry weather screening were received in August 2015. The screening was completed by TRC Environmental Corporation according to procedures summarized in ENV Item 341 – MS4 Outfall Mapping, Verification, Follow-up Screening and IDDE Report Form.

b. Wet Weather Screening Program: The permittee shall identify, investigate, and address areas within their jurisdiction that may be contributing excessive levels of pollutants to the MS4. The program shall:

(1.) Screen the MS4, as specified in the SWMP;

(2.) Specify the sampling and non-sampling techniques to be used for current screening and also for follow-up screening; and

(3.) Include an implementation schedule for watershed protecting measures which were developed based on the results of the data collected in the first permit term. This schedule shall be submitted to the TCEQ within 90 days of permit issuance, and shall evaluate the need for additional watershed improvement projects.

TxDOT is required to perform a Wet Weather Screening Program. The TPDES permit includes a requirement for the permittee to submit a discussion of how it has evaluated this program component for its MS4.

The Austin District's monitoring and sampling program is intended to be representative of the quality of runoff in wet weather and of the accumulation of floatables. TxDOT Austin District's monitoring sites have been in place for over 15 years. Samples are taken and analyzed from selected roadside locations after a representative rainfall event. There has never been a lab report of dangerous toxicity nor has any unsafe threshold been exceeded on the analyte checklist. However, due to the extensive network of traffic within this MS4, accidental spills and potentially harmful materials can be temporarily deposited on the roadway. These are incidents where immediate removal and remediation are performed by specially trained crews to avert any water quality impacts.

TxDOT Austin District maintenance forces and TRC personnel are responsible for the more routine reporting of the dry and wet weather screening, respectively. Any type of illicit activity or the accumulation of any deleterious materials that may appear on the roadway or within the TxDOT rights-of-way will be reported and then remedied on a priority basis. The maintenance activities are not a sampling effort but rather remediation.

A letter dated January 5, 2009 addressing the ongoing Wet Weather Screening Program component was sent to TCEQ (Appendix F) within 90 days of permit issuance.

11. Public Involvement and Participation:

Within five (5) years from the date of permit issuance, the permittee shall implement a public involvement/participation program which, at a minimum, must comply with State, Tribal, and local public notice requirements. This program element must include opportunities for a wide variety of constituents within the MS4 area to participate in the storm water management program (SWMP) development and implementation.

Public involvement, participation, and project transparency is an internal and federal requirement for nearly all TxDOT proceedings and new projects. Formal and legally prescribed Public Notices, invitations, and quorums are required for all TxDOT projects, plans, and changes to the transportation system. Attendees at these hearings, meetings, and "open house" venues are always invited to comment or ask questions (written and/or verbally). The attendees are reminded of the opportunity to seek clarification of the proposed project or pose any inquiries of the information provided. This includes inviting public input on the Austin District SWMP, MS4, Best Management Practices and any other concerns with water quality or storm water management

12. Pollution Prevention/Good Housekeeping for Municipal Operations:

Within five (5) years from the date of permit issuance, the permittee shall implement a pollution prevention/good housekeeping program for municipal operations which includes the following:

a. *Good Housekeeping and Best Management Practices (BMPs) must be identified and implemented with the goal of reducing pollutant runoff from municipal operations (i.e. storm water system maintenance, street, road, highway maintenance, etc.).*
b. *Training must be developed for all employees responsible for municipal operations. The training must include materials directed at preventing and reducing storm water pollution from municipal operations.*
c. *Structural Control Maintenance must be performed by the MS4 operator and consistent with maintaining the effectiveness of the BMP.*
d. *Waste must be removed from the MS4 and collected as a result of maintenance of storm water structural control and must be properly disposed of.*
e. *The SWMP must include a list of all municipal operations subject to the municipal operation, maintenance, and training programs listed under this program element and all municipally owned and operated industrial activities.*

Although TxDOT is not specifically a municipality, all of these items are already in place. Various operational requirements incorporate good housekeeping and BMPs to reduce pollutant runoff from road repair, stormwater system maintenance, equipment yards, and material storage/maintenance facilities. Good housekeeping measures and BMPs are integrated into the SWMP and in Spill Prevention Control and Countermeasures (SPCC) plans. Supervisors involved with road repair, stormwater system maintenance, equipment yards, and material storage/maintenance facilities ensure that periodic facility checks are performed. Austin District safety officers conduct walk-throughs and observe housekeeping issues. In addition, Specialists from the Environmental Affairs Division conduct facility surveys to ensure proper handling of waste materials or other pollutants. The locations of the facilities within the Austin District MS4 are:

Travis Central Maintenance
1001 E. Parmer Lane
Austin, TX 78758
512-997-2269

Travis East Maintenance
8902 FM 969 East
Austin, TX 78724
512-929-7221

Travis South Maintenance
12315 US 290 West
Austin, TX 78737
512-288-4761

Travis North Maintenance
2001 Whitestone Blvd.
Cedar Park, TX 78613
512-331-5361

Austin District Headquarters
7901 N IH 35
Austin, TX 78753
512-832-7000

District Special Jobs
9725 S IH 35
Austin, TX 78744
512-292-2441

Facilities are staffed with employees who undergo training and regular performance reviews to ensure their proper handling of pollutants, water runoff, herbicides, oil disposal, and waste removal on the TxDOT facility grounds. Employee training occurs in conjunction with safety walk-throughs and facility surveys. Training also occurs at the annual EMS Summit where leaders representing design, construction, and maintenance operations receive specialized environmental training.

Structural controls are maintained to ensure that they will continue to function as designed. TxDOT inspects and maintains its structures according to a schedule originally established by agreement with the TCEQ Edwards Aquifer program. More recent structural controls have inspection and maintenance schedules established in project-specific Edwards Aquifer plans. Litter and waste sediment are removed structural controls as part of their maintenance.

Section II. Overview of the MS4

A description of the portions of the current program that have been implemented.

The status of implementing the SWMP:

The current implementation of the SWMP became effective in October of 2008. Nearly all the devices, activities, and practices that have already been in effect continue to perform adequately. Screening and monitoring activities of the representative areas confirm the roadway systems to be operating within and below contaminant thresholds.

TxDOT has implemented many of the same items outlined in the SWMP in years prior. This is primarily due to the overlap of water quality requirements of the Edwards Aquifer rules. Projects within the Recharge Zone and Contributing Zone are also subject to water quality performance, Total Suspended Solids (TSS) reductions, and stated Maintenance plans. The Water Pollution Abatement plans are submitted, reviewed, and approved by the TCEQ reviewers of the Edwards Aquifer Program.

Descriptions and evidence of the current status of the SWMP program is referenced in Appendices A through H.

Any proposed changes to the SWMP in the coming reporting year:

The SWMP in place includes contracted support for wet weather monitoring. TRC Environmental Corporation was on contract to perform these services. In addition to wet weather monitoring, TRC's scope of services included dry weather screening, investigation of potential illicit discharges, and provide updates to the outfall inventory for the Austin District. A comprehensive SWMP has been implemented according to the new Statewide permit (WQ0005011000).

A summary describing the number and nature of enforcement actions and inspections:

For this reporting period, there have been no enforcement actions by the EPA. Nor has TxDOT been notified of any formal violations from state or federal authorities.

Each TxDOT construction project that requires a construction general permit is inspected within one month by the District Environmental Quality Coordinator (DEQC). Additional inspections are conducted at least annually. The purpose of the inspections is to facilitate compliance with the applicable environmental requirements with an emphasis of

stormwater related requirements. These inspections supplement those performed by TxDOT construction personnel that are performed on a weekly basis pursuant to TXR150000.

Section III. Appendices

Appendix A.

Identification of any water quality improvements, degradations, and progress toward any measurable goals or measured reduction in pollutants:

TxDOT is always making progress. The goal for "measured reduction" is a challenging one but the monitoring conducted for the last 15 years has proven informative. The permit was modified to sample three fewer sites and six fewer testing parameters because the sampling results have regularly shown that contaminants are too low to be measured. This is one reason it was requested of TCEQ to allow the Austin District to remove some of the monitoring sites. However, the goal is set for the continued success of finding these minimums in the lab results. Since these monitored levels have over a decade of history, any future monitoring results that show a significant increase will bring about an investigation of the cause.

Research has been successfully implemented for a new water quality control measure. Although still under evaluation in other roadway applications, the use of TxDOT's permeable friction course (PFC) is one of the best solutions for roadway runoff mitigation. Repeated testing and monitored results show that PFC can reduce TSS by 90%. These are removal rates better than any other management practice currently used. The research on PFC has been extended for another year for testing on curbed sections of roadway. TCEQ has accepted this new innovation and has included this mitigation as an approved BMP in their guidance manual for development over the Recharge Zone of the Edwards Aquifer. PFC is the outstanding example of TxDOT's innovation and progress toward a measurable improvement to the MS4.

TxDOT makes many public service announcements, conducts numerous public hearings, and pays for many public service announcements on radio, television, and social media concerning water quality. The Austin District's MS4 will continue to be advertised as an issue of water quality, along with concerns for pollution, careless dumping, and energy conservation. Other campaigns have publicly posted signs, brochures, and mailings to help keep the citizenry of Texas aware of this issue.

Appendix B.

Annual expenditures for the reporting period, with a breakdown of the major elements of the SWMP, and the budget for the year (reporting year) following each annual report.

The values in Table 2 represent annual expenditures for the reporting period. The main sources of information for this data are applicable construction pay items and maintenance function codes of accounts in Williamson, Travis and Hays Counties. District databases were queried based on the assumption that the expenditures within the permitted area are represented by costs in these three counties. Notes below Table 2 provide explanation.

Table 2. Expenditures for the reporting period.

SWMP Elements	Expenditures 7/1/2016 to 11/30/16
Structural Controls[1]	$91,190.53
Areas of New Development and Significant Redevelopment[2]	$2,407,518.00
Roadways[3]	$4,809.168.00
Flood Control Projects	See structural controls
Pesticide, Herbicide, and Fertilizer Application	$82,118.34
Illicit Discharges and Improper Disposal	$211,687.68

Spill Prevention and Response	$1,170.00
Construction Site Runoff[4]	1,121,364.00
Public Education[5]	83,333.00
Monitoring and Screening Programs[6]	$10,071.77
Public Involvement and Participation[7]	$94,250.00
Pollution Prevention/Good Housekeeping for Municipal Operations[8]	$2,318,317.00

1. Selected maintenance functions
2. Selected construction pay items
3. Sum of applicable maintenance functions and construction pay items, plus District monitoring/screening, and plus public outreach/involvement
4. Selected construction pay items minus permeable friction course
5. Don't Mess With Texas (DMWT)
6. Contract expenses
7. Adopt a Highway and DMWT
8. All mowing, litter, vegetation control and landscape function codes

Projected Budget after November 30, 2016

Next year's projected budget will be reported by the Environmental Affairs Division because the state wide permit (WQ0005011000) has slightly different BMPs.

Appendix C.

Revisions, if necessary, to the assessments of controls and the fiscal analysis reported in the permit application or since the previous annual report.

The fiscal analysis reporting is consistent with the 2015-2016 Annual Compliance Report. A breakdown of expenditures by the elements of the SWMP has been provided. Construction and maintenance costs are based on the assumption that MS4 costs incurred are represented for activities in Williamson, Travis and Hays Counties are representative of the permit area.

Appendix D.

A summary of the number of notices of intent and the number of construction site notices received by the permittee from construction site operators and industrial facilities seeking NPDES or TPDES coverage for storm water discharges, and a summary of inspections conducted at construction sites.

TxDOT contractors and construction inspectors regularly inspect and react to any runoff problems, improper discharge, or contamination issues. TxDOT inspectors enforce the compliance with prescribed protocols for all water quality concerns. Due to the number of construction sites, it would be difficult to provide an exact number of inspections within the reporting year. Inspections at construction sites occur every 7 days.

TxDOT has established construction oversight procedures under the District Environmental Coordinator (DEQC) program. Both field and office reviews are conducted on construction projects. There were 11 reviews conducted during the 2015-2016 reporting period under this program. The checklists used to conduct the reviews are attached along with the Construction Stage Gate Checklist (see Appendix D) that is part of TxDOT's EMS.

A series of tables (Tables 3a, 3b, 3c, 3d) summarize the construction permit notices that were received from construction site operators. One of the notices appears to be a duplicate and others were from different operators at the same site.

Table 3a. Construction Permit Notices Received - Notice of Intent

Operator Name	Project/Site	Permit Number
Dale Lowden Excavating, Inc.	Blue Blazes Ranch Phase 1	TXR150029235
Jimmy Evans Company. Ltd.	Pearson Ranch Road Extension	TXR150029891

Table 3b. Construction Permit Notices – Small Construction Site Notice

Operator Name	Project/Site	Permit Number
Venture Drilling Supply, LLC	Venture Drilling Supply	TXR150000000

Appendix D.

DEQC Audit Checklists and Construction Stage Gate Checklist

Appendix E.

Representative monitoring data and a summary of any additional data that was collected during the reporting year

EPA NPDES Discharge Monitoring Reports (DMR) for July 1, 2016 to November 30, 2016 are provided in Appendix E.

For the monitoring period ending on August 31, 2016, there was one qualifying sampling event that would trigger outfall sampling. Documentation on the weather conditions and sampling constraints provided by TRC Environmental Corporation revealed that sample collection was not possible because the event occurred outside the established parameters.

For the monitoring period ending on November 30, 2016, there was one qualifying sampling event that would trigger outfall sampling. Documentation on the weather conditions and sampling constraints provided by TRC Environmental Corporation revealed that sample collection was not possible because there was insufficient rainfall.

Appendix F.

TxDOT Austin District Letter to TCEQ dated January 5, 2009

TxDOT Austin District Letter to TCEQ dated October 1, 2009

Letter from TCEQ to TxDOT Austin District dated October 8, 2009

Appendix G.

Water Quality Brochure

Water Quality Textbook Cover

Appendix H.

Outfall Map

APPENDIX D

DEQC Audit Checklists and Construction Stage Gate Checklist

Environmental Field Review

Austin District 07/01/16

Date:_____ CSJ:_____

Highway:_____ Project Inspector:_____

Reviewer:_____ Area Office:_____

Record Keeper:_____

Field

1. Is project in the Edwards Aquifer? Y or N
    a. If Yes, Copy of WPAP or CZP in the field? Y or N
    b. If Yes, was PSL approved by TCEQ? Y or N
2. Is PSL on or off ROW? On or Off
3. Is signed PSL (Project Specific Location) sketch at Office? Y or N
4. Construction Stage Gate Checklist completed? (Form 2448) Y or N
    a. Another checklist needed? If so, when _____ Y or N
5. SW3P reports done weekly? (Form 2118) Y or N
6. SW3P reports completed on scheduled day? _____ day? Y or N
7. Any planned work that will impact migratory birds? Y or N
8. CSN posted and easily accessible at the project site? Y or N
9. Has soil disturbance exceeded amount shown on plans? Y or N
10. EMS Policy posters posted English and Spanish? Y or N

Field Office or Vehicle

1. Are site plans updated? Y or N
    a. Major disturbances being recorded? Y or N
    b. Contractor PSL with in 1 mile identified on the site plan? Y or N
2. Contractor providing daily monitoring reports? Y or N

All items marked 'N' will be discussed with the project inspector within one week of review.

Texas Department of Transportation

Environmental Office Review

Austin District 07/01/16

Date:_____ CSJ:_____

Highway:_____ Project Inspector:_____

Reviewer:_____ Area Office:_____

Record Keeper:_____

Project Specific

1. Original 2118 being kept at Area Office? Y or N or N/A
   a. If < 1 acre of disturbance, then N/A. If N/A, skip 2, 5 and 6.
2. Construction Stage Gate Checklist on file? (Form 2448) Y or N
   a. Date last checklist completed? _____
3. APD (Planning) Stage Gate Checklist on file? (Form 2442) Y or N
4. PS&E (Design) Stage Gate Checklist on file? (Form 2443) Y or N
5. Contractor signed Certification of Compliance on file? (Form 2458) Y or N or N/A
   a. Not needed for projectsbeginning with Jan 2016 letting
6. Certificates of training on file at Area Office Y or N
   a. CRPe, alt CRPe and sub CRPe involved in soil disturbing activities
7. List of contractor and subs employees training on file at AO? Y or N
8. Contractor's Daily Monitoring Logs on file and verified that one has been performed for every day they are supposed to work. Y or N or N/A
9. If in Edwards Aquifer, is WPAP or CZP available? Y or N or N/A
10. MS4 Operator notified? Y or N or N/A

General

1. EMS posters visible Y or N
2. EMS policy posted in English and Spanish Y or N

All items marked 'N' will be discussed with the record keeper within one week of review.

Appendix E

REPRESENTATIVE MONITORING DATA

JULY 1, 2016 TO NOVEMBER 30, 2016

TPDES Permit Number WQ0004645000

NPDES Permit Number TXS000402

OUTFALLS 002, 005, 006

JULY 1, 2016 TO AUGUST 31, 2016

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD		
	MM/DD/YYYY	MM/DD/YYYY
FROM	07/01/2016	TO 08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LOOP 1 AT WALNUT CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. centigrade	SAMPLE MEASUREMENT	******	******	******	******	******					
00010 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	deg C		Once Per Season	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	******	******	******	******	******					
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oxygen demand, chem. (high level) (COD)	SAMPLE MEASUREMENT	******	******	******	******	******					
00340 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
pH	SAMPLE MEASUREMENT	******	******	******		******					
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	Req. Mon. MINIMUM	******	Req. Mon. MAXIMUM	SU		Once Per Season	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******	******	******	******					
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oil & Grease	SAMPLE MEASUREMENT	******	******	******	******	******					
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Nitrogen, total	SAMPLE MEASUREMENT	******	******	******	******	******					
00600 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beakley, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Alan Bean	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426
FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LOOP 1 AT WALNUT CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrite plus nitrate total 1 det. (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00630 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Chloride (as Cl)	SAMPLE MEASUREMENT	******	******	******	******	******					
00940 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00625 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, total (as P)	SAMPLE MEASUREMENT	******	******	******	******	******					
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
00666 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT	******	******	******	******	******					
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	******	******	******	******	******					
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

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ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LOOP 1 AT WALNUT CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Silver, total (as Ag)	SAMPLE MEASUREMENT	******	******	******	******	******					
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Copper, total (as Cu)	SAMPLE MEASUREMENT	******	******	******	******	******					
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Lead, total (as Pb)	SAMPLE MEASUREMENT	******	******	******	******	******					
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Zinc, total (as Zn)	SAMPLE MEASUREMENT	******	******	******	******	******					
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Atrazine	SAMPLE MEASUREMENT	******	******	******	******	******					
39033 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
E. coli	SAMPLE MEASUREMENT	******	******	******	******	******					
51040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
Solids, total dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1- AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426
FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LOOP 1 AT WALNUT CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Sulfate 81020 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Enterococci 00946 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100mL		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100ml		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1- AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426
FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
WET POND AT INDUSTRIAL OAKS
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. centigrade	SAMPLE MEASUREMENT	******	******	******	******	******					
00010 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	deg C		Once Per Season	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	******	******	******	******	******					
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oxygen demand, chem. (high level) (COD)	SAMPLE MEASUREMENT	******	******	******	******	******					
00340 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
pH	SAMPLE MEASUREMENT	******	******	******		******					
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	Req. Mon. MINIMUM	******	Req. Mon. MAXIMUM	SU		Once Per Season	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******	******	******	******					
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oil & Grease	SAMPLE MEASUREMENT	******	******	******	******	******					
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Nitrogen, total	SAMPLE MEASUREMENT	******	******	******	******	******					
00600 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beasley, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beasley	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1- AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
WET POND AT INDUSTRIAL OAKS
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrite plus nitrate total 1 det. (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00630 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Chloride (as Cl)	SAMPLE MEASUREMENT	******	******	******	******	******					
00940 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00625 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, total (as P)	SAMPLE MEASUREMENT	******	******	******	******	******					
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
00666 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT	******	******	******	******	******					
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	******	******	******	******	******					
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environmental Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	5128327103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
WET POND AT INDUSTRIAL OAKS
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Silver, total (as Ag)	SAMPLE MEASUREMENT	******	******	******	******	******					
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Copper, total (as Cu)	SAMPLE MEASUREMENT	******	******	******	******	******					
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Lead, total (as Pb)	SAMPLE MEASUREMENT	******	******	******	******	******					
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Zinc, total (as Zn)	SAMPLE MEASUREMENT	******	******	******	******	******					
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Atrazine	SAMPLE MEASUREMENT	******	******	******	******	******					
39033 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
E. coli	SAMPLE MEASUREMENT	******	******	******	******	******					
51040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100ml		Once Per Season	GRAB
Solids, total dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
WET POND AT INDUSTRIAL OAKS
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Sulfate 81020 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Enterococci 00946 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100mL		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100ml		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Heather Beatty, Environ Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512-832-7103		11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426
FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	006
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LITTLE BEAR CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. centigrade	SAMPLE MEASUREMENT	******	******	******	******	******					
00010 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	deg C		Once Per Season	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	******	******	******	******	******					
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oxygen demand, chem. (high level) (COD)	SAMPLE MEASUREMENT	******	******	******	******	******					
00340 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
pH	SAMPLE MEASUREMENT	******	******	******		******					
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	Req. Mon. MINIMUM	******	Req. Mon. MAXIMUM	SU		Once Per Season	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******	******	******	******					
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oil & Grease	SAMPLE MEASUREMENT	******	******	******	******	******					
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Nitrogen, total	SAMPLE MEASUREMENT	******	******	******	******	******					
00600 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426
FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	006
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LITTLE BEAR CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrite plus nitrate total 1 det. (as N) 00630 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Chloride (as Cl) 00940 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Nitrogen, Kjeldahl, total (as N) 00625 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, total (as P) 00665 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, dissolved 00666 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Hardness, total (as CaCO3) 00900 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Cadmium, total (as Cd) 01027 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512	832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	006
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LITTLE BEAR CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Silver, total (as Ag)	SAMPLE MEASUREMENT	******	******	******	******	******					
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Copper, total (as Cu)	SAMPLE MEASUREMENT	******	******	******	******	******					
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Lead, total (as Pb)	SAMPLE MEASUREMENT	******	******	******	******	******					
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Zinc, total (as Zn)	SAMPLE MEASUREMENT	******	******	******	******	******					
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Atrazine	SAMPLE MEASUREMENT	******	******	******	******	******					
39033 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
E. coli	SAMPLE MEASUREMENT	******	******	******	******	******					
51040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
Solids, total dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512	832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426
FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	006
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2016	TO	08/31/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LITTLE BEAR CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Sulfate 81020 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Enterococci 00946 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100mL		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100ml		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512	832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR JULY 1 - AUGUST 31.

OUTFALLS 002, 005, 006

SEPTEMBER 1, 2016 TO NOVEMBER 30, 2016

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426
FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD		
	MM/DD/YYYY	MM/DD/YYYY
FROM	09/01/2016	TO 11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LOOP 1 AT WALNUT CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. centigrade 00010 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	deg C		Once Per Season	GRAB
BOD, 5-day, 20 deg. C 00310 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oxygen demand, chem. (high level) (COD) 00340 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******		******					
	PERMIT REQUIREMENT	******	******	******	Req. Mon. MINIMUM	******	Req. Mon. MAXIMUM	SU		Once Per Season	GRAB
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oil & Grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Nitrogen, total 00600 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	09/01/2016	TO	11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LOOP 1 AT WALNUT CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrite plus nitrate total 1 det. (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00630 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Chloride (as Cl)	SAMPLE MEASUREMENT	******	******	******	******	******					
00940 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00625 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, total (as P)	SAMPLE MEASUREMENT	******	******	******	******	******					
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
00666 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT	******	******	******	******	******					
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	******	******	******	******	******					
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	09/01/2016	TO	11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LOOP 1 AT WALNUT CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Silver, total (as Ag)	SAMPLE MEASUREMENT	******	******	******	******	******					
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Copper, total (as Cu)	SAMPLE MEASUREMENT	******	******	******	******	******					
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Lead, total (as Pb)	SAMPLE MEASUREMENT	******	******	******	******	******					
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Zinc, total (as Zn)	SAMPLE MEASUREMENT	******	******	******	******	******					
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Atrazine	SAMPLE MEASUREMENT	******	******	******	******	******					
39033 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
E. coli	SAMPLE MEASUREMENT	******	******	******	******	******					
51040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100ml		Once Per Season	GRAB
Solids, total dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512 832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	09/01/2016	TO	11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LOOP 1 AT WALNUT CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Sulfate 81020 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Enterococci 00946 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100mL		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100ml		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environ. Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	09/01/2016	TO	11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
WET POND AT INDUSTRIAL OAKS
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. centigrade 00010 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	deg C		Once Per Season	GRAB
BOD, 5-day, 20 deg. C 00310 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oxygen demand, chem. (high level) (COD) 00340 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******		******					
	PERMIT REQUIREMENT	******	******	******	Req. Mon. MINIMUM	******	Req. Mon. MAXIMUM	SU		Once Per Season	GRAB
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oil & Grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Nitrogen, total 00600 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety
SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: TEXAS DEPT OF TRANSPORTATION - AUSTIN
ADDRESS: P.O. DRAWER 15426
AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	09/01/2016	TO	11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
WET POND AT INDUSTRIAL OAKS
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrite plus nitrate total 1 det. (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00630 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Chloride (as Cl)	SAMPLE MEASUREMENT	******	******	******	******	******					
00940 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00625 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, total (as P)	SAMPLE MEASUREMENT	******	******	******	******	******					
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
00666 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT	******	******	******	******	******					
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	******	******	******	******	******					
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Heather Beatty, Environmental Specialist	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.	Heather Beatty	512-832-7103	11/28/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here No qualifying event-rainfall <0.1 inches/<72 hr. interval/time of day/personnel safety

SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

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FROM	09/01/2016	TO	11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
WET POND AT INDUSTRIAL OAKS
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Silver, total (as Ag)	SAMPLE MEASUREMENT	******	******	******	******	******					
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Copper, total (as Cu)	SAMPLE MEASUREMENT	******	******	******	******	******					
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Lead, total (as Pb)	SAMPLE MEASUREMENT	******	******	******	******	******					
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Zinc, total (as Zn)	SAMPLE MEASUREMENT	******	******	******	******	******					
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Atrazine	SAMPLE MEASUREMENT	******	******	******	******	******					
39033 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
E. coli	SAMPLE MEASUREMENT	******	******	******	******	******					
51040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
Solids, total dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

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SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

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FACILITY: AUSTIN DISTRICT OFFICE
LOCATION: AUSTIN DISTRICT OFFICE
AUSTIN, TX 78753

WQ0004645000	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
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FROM	09/01/2016	TO	11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
WET POND AT INDUSTRIAL OAKS
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Sulfate 81020 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Enterococci 00946 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100mL		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100ml		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

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SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

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AUSTIN, TX 78761-5426

FACILITY: AUSTIN DISTRICT OFFICE
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AUSTIN, TX 78753

WQ0004645000	006
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	09/01/2016	TO	11/30/2016

DMR Mailing ZIP CODE: 78761-5426
MAJOR
(SUBR 11)
LITTLE BEAR CREEK
External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. centigrade 00010 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	deg C		Once Per Season	GRAB
BOD, 5-day, 20 deg. C 00310 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oxygen demand, chem. (high level) (COD) 00340 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******		******					
	PERMIT REQUIREMENT	******	******	******	Req. Mon. MINIMUM	******	Req. Mon. MAXIMUM	SU		Once Per Season	GRAB
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Oil & Grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Nitrogen, total 00600 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

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External Outfall

No Discharge X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrite plus nitrate total 1 det. (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00630 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Chloride (as Cl)	SAMPLE MEASUREMENT	******	******	******	******	******					
00940 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT	******	******	******	******	******					
00625 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, total (as P)	SAMPLE MEASUREMENT	******	******	******	******	******					
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Phosphorus, dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
00666 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT	******	******	******	******	******					
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	******	******	******	******	******					
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Silver, total (as Ag)	SAMPLE MEASUREMENT	******	******	******	******	******					
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Copper, total (as Cu)	SAMPLE MEASUREMENT	******	******	******	******	******					
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Lead, total (as Pb)	SAMPLE MEASUREMENT	******	******	******	******	******					
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Zinc, total (as Zn)	SAMPLE MEASUREMENT	******	******	******	******	******					
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
Atrazine	SAMPLE MEASUREMENT	******	******	******	******	******					
39033 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
E. coli	SAMPLE MEASUREMENT	******	******	******	******	******					
51040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100ml		Once Per Season	GRAB
Solids, total dissolved	SAMPLE MEASUREMENT	******	******	******	******	******					
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Sulfate 81020 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS
Enterococci 00946 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100mL		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	#/100ml		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Once Per Season	COMPOS
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	MPN/100mL		Once Per Season	GRAB
	SAMPLE MEASUREMENT	******	******	******	******	******					
	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Once Per Season	COMPOS

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SEASONAL MONITORING PERIOD FOR SEPTEMBER 1- NOVEMBER 30.

Appendix F.

TxDOT Austin District Letter to TCEQ dated January 5, 2009

TxDOT Austin District Letter to TCEQ dated October 1, 2009

Letter from TCEQ to TxDOT Austin District dated October 8, 2009

Texas Department of Transportation

RECEIVED BY:
JAN 07 2009
SWCA, INC.

5 January 2009

Texas Commission on Environmental Quality
Storm Water & Pretreatment Team
P.O. Box 13087
MC-148
Austin, Texas 78711-3087

RE: Texas Department of Transportation, Austin District, TPDES Permit No. WQ0004645000

This letter is to coordinate with your office in the matter of the Texas Pollutant Discharge Elimination System (TPDES) Permit and the permit holder, the Austin District of the Texas Department of Transportation (TxDOT).

On 7 October 2008, the Texas Commission on Environmental Quality (TCEQ) renewed the Austin District's TPDES Permit No. WQ0004645000. This is a renewal of its predecessor, the National Pollutant Discharge Elimination System (NPDES) Permit No. TXS000402. As part of the new Permit conditions, the following is the discussion of two items due for correspondence within 90 days of issuance.

The first item: from Part III of the **STORM WATER MANAGEMENT PROGRAM**; Section 6. **Illicit Discharges and Improper Disposal**; paragraph c. Household Hazardous Waste and Used Motor Vehicle Fluids: (page number 5 of the Permit).

The District has several programs in place for handling waste disposal. Fleet vehicles and Construction equipment recycle the used oil through contracted service companies. Either the change of engine oil, transmission fluids and coolants are performed at private companies or service contracts are used for the collection and recycling of these materials. Lead acid batteries are returned to the vendor for recycling. There is never any release beyond service containers. Contract vendors are also used for all other handling and disposal of hazardous materials according to the Manufacturers Safety Data Sheet (MSDS) instructions. All service vendors providing this service to the District must meet all TCEQ certifications.

On the office grounds, grass clippings, leaves, limbs and other landscaping materials are collected in bins. Contractors are on-call for their removal and/or reclamation for other uses.

It is noteworthy for TCEQ to recognize the two basic categories within the entity of the Austin District permit area. One is the grounds, property, offices and shops of the District's administrative and operating work areas. The other category would be the roadways and the adjacent right-of-way properties. This second category differs from the former in how spills and hazardous materials are handled. First, there is less control on what may be spilled and where it could occur. *Preventing* the accidents of the travelling public and commercial carriers is regrettably beyond TxDOT control. Once notified of where these accidents have occurred and whether there are reportable spill quantities, Haz Mat crews are dispatched. The TCEQ is also notified. Cleanup is handled by private service firms.

During roadway construction, crews and contractors must follow the steps listed within the Storm Water Pollution Prevention Plan. Trash and litter on construction sites is not permitted and accidental spills are immediately removed or remedied.

Pesticide and herbicide applications also occur on state right-of-ways. These operations are only performed under optimum conditions and only by trained and EPA certified handlers for those specific chemicals.

Maintenance forces patrol all the roadways of the District and provide first notice of any problem. Illicit connections to the system of storm drains are unlikely, but these crews would be the personnel to discover this type of illegal waste disposal or any other type of dumping. They are also the District's watchdog for spills, litter or the on-going performance of water quality devices intended for TxDOT storm water.

The second item: **Part III**; Section 10 **Monitoring and Screening Programs**; paragraph b. Wet Weather Screening Program: (page 8 of the permit)

Since 1998, the beginning year of this Permit, the Austin District has never been notified, nor has ever found evidence of any "excessive levels of pollutants" within its MS4. The monitoring of representative outfalls for ten years has never revealed any significant level of pollutants as a result of normal operations. The original monitoring system intended to indentify the types of roadway contaminants that exist and evaluate candidate locations that could cumulatively contribute to stream degradation. In almost all laboratory data results, the permit-specified list of contaminants have always been well within acceptable limits and often times too small to be detected.

The maintenance forces, as mentioned earlier, have always been the inspectors of roadways, outfalls and right-of-way conditions. Since the network of TxDOT roadways within the MS4 is extensive, the review of these areas relies upon numerous maintenance personnel. They are key to the plan of detecting and eliminating any pollutants that may occur from either the roadway or drainage outfalls. The District keeps a Road Log, a schematic diagram that identifies all outfall structures to a specific "control" location and roadway segment. For wet-weather screening these personnel would be the first to notify and document unusual or inappropriate materials. The location is identified by road log coordinates. A report could range from debris clogging the flow, excessive sediment, dumped trash or any perceptible "sheen" on the receiving water. Also they are watchful if apprized of other MS4 permitees who have submitted notice of possible release into our MS4 area. The schedule of inspection is virtually every day, however not all roadway segments are critically reviewed that often. It is reasonable to say however, that at least each week, maintenance personnel have reviewed and inspected all of their designated sections. If any adverse or significant change has occurred to drainage paths, structures or the right-of-way area, that condition is investigated and remedial action is taken on a prioritized basis. Spills of hazardous materials, fuel or unknown substances resulting from roadway accidents are immediately reported to Haz Mat crews and to the TCEQ spill response contacts.

As an evaluation of this approach, this on-going system of review, inspection and reporting has been effective. University research projects performed for TxDOT have confirmed the current Best Management Practices for roadways and their drainage systems are appropriately designed, constructed and inspected in a way to avoid significant impacts to receiving water. This is primarily due to the overlapping coordination of the Edwards Aquifer Rules which are often coincident to the District's MS4.

To assure our mutual understanding, TxDOT will be responsive to any of your questions on these items presented. Please feel free to contact Gary Lantrip at (512) 832-7103 or by email jlantri@dot.state.tx.us if your office would like to arrange further discussion regarding our TPDES Permit conditions and coordination.

Sincerely,

J. Gary Lantrip, P.G., P.E.
TxDOT Austin District
Environmental Section

Texas Department of Transportation

P.O. DRAWER 15426 • AUSTIN, TEXAS 78761-5426 • (512) 832-7000

October 1, 2009

Ms. Jaya Zyman-Ponebshek
Storm Water & Pretreatment Team Leader (MC-148)
Water Quality Division
P.O. Box 13087
Austin, Texas 78711-3087

re: Texas Department of Transportation – Austin District MS4
(CN600803456; RN103219069)
TPDES Permit No. WQ0004645000

Dear Ms. Zyman-Ponebshek

For your review and handling, I've provided two separate items of requisite coordination.

The first item is a submittal to comply with the Permit's scheduled response regarding Floatables Monitoring. The second, a response to your September 3, 2009 letter requesting supplemental information for the Annual Report submitted for the 2008-2009 year.

Please contact me, if further discussion would help clarify these items of our Permit.

Sincerely,

J. Gary Lantrip, P.G., P.E.
Austin District – Environmental Section

Attachments: Item 1 and Item 2

ITEM 1

TPDES Permit Number WQ0004645000 (issue date October 7, 2008)
Part IV. Monitoring and Reporting Requirements
B. Floatables Monitoring
Paragraph 2:

"Within 1 year of permit issuance, permittee shall submit a discussion on how it has researched the feasibility of adding a 2nd floatables site within the regulated area".

The Austin District has one floatables monitoring site. The report of findings from this site is included each year with the Annual Report. However, the value of this information has always been of questionable benefit. Due to the lack of direct control over the source of floatables, monitoring this site does not provide any meaningful benchmark by which improvements can be measured. The only remedy the District can propose is to remove these materials. This is currently done and has been a long-standing maintenance commitment.

TxDOT experience with maintaining its roadways has shown that driver behavior accounts for a major portion of the floatables produced. At times, the driver or passengers intentionally discard trash. More often however, waterway floatables are derived from open bed pick-up trucks or hauling vehicles. Paper, plastic bags, cups, cans and other light materials are liberated from the vehicle by the turbulent air of higher speeds. Also, smokers that travel the high traffic corridors produce a surprising amount of floatables. They can cause an accumulation of cigarette butts along the roadside, gutter or storm inlets. After a significant rainfall, these remnant filters are easily mobilized into the drainage networks. In the water quality ponds downstream they commonly exhibit a prominent white "ring" of litter at the high water mark.

Another example, though unrelated to driver behavior, is the actual source of many floatables. The urban roadways and right-of-way near stores, fast food restaurants and gas stations are very likely to have accumulations of wind borne items. These usually originate from the patrons of these businesses. This kind of refuse also finds its way to drainage ways via storm drain systems.

Confirmable data on floatables comes from maintenance crews who regularly inspect drainage easements, water quality ponds and detention basins. However, the materials found in these areas can be widely variable in both quantity and type. Crews are assigned to remove these materials on a priority basis. Scheduling depends upon personnel availability and the budget allocation for contracted services.

Laws and punitive fines exist for littering, but they are not within TxDOT purview. However, the department has taken great strides attempting to prevent it. There are statewide public service announcements on radio, television and the internet that attempt to dissuade this behavior. The "Don't Mess with Texas" slogan has been a 23 year campaign urging Texans to be mindful of littering. Also, as reported in the Annual Report, several civic-minded organizations apply to "adopt" a segment of a roadway that they will beautify. Their volunteer actions not only provide an aesthetic improvement, but also remove the potential for floatables downwind and downstream.

In our view, the intent of this monitoring requirement is to hold the Permitee accountable for floatable materials derived from its operational activities. The Austin District MS4 is an enterprise only related to providing public transportation infrastructure. It does not directly produce any of the materials that ultimately become floatable debris. The District has little control and no enforcement authority over those who do release these loose materials.

Another difficulty dealing with floatables is the permit area. It is not a singular boundary line that contains all its operations within a simple perimeter. The Austin District permit extends several miles in all directions as an extensive linear network of narrow right-of-way ownership. This network crosses hundreds of drainage areas that are all susceptible to virtually any wind-blown debris that may settle within low lying areas, streams, or rivers.

For the reasons expressed above, the District seeks concurrence of TCEQ that a second monitoring site is difficult to justify. To further support this position, the floatables data reported over the last decade at the existing site has shown:

1) *The District can not directly prevent the amount of floatables generated;*

2) *Floatables occur from a variety of different sources unrelated to TxDOT and*

3) *The past activity invested in the monitoring and reporting of floatables has become increasingly irrelevant as a strategy to improve the MS4.*

ITEM 2

TPDES Permit Number WQ0004645000
Annual Report – July 1, 2008 through June 30, 2009
TCEQ – Storm water & Pretreatment Team Leader

Letter of September 3, 2009:

"The following information is needed in order for us to consider the annual report to be complete. Please submit this information by Friday, October 30, 2009:

1) The report includes a summary of the expenditures over the reporting period. However, there is no breakdown of these expenditures based on the major elements of the SWMP. In addition, the report did not provide a budget for the next reporting year.
2) The report did not include the number of inspections conducted at industrial facilities and construction sites. If this information is available, please include it in your response or indicate why it is not available."

1) (Expenditures):

In 1997, the Austin District accounting department created a special account for the administrative costs related to NPDES activity. This account was used to easily retrieve and report the category of billing-hours, invoices and charges for work related to the administrative compliance of the Permit. It was never conceived to track specific water quality costs on individual projects of new construction.

In late 2008 the new TPDES permit added a subtle change to the annual report concerning expenditure. Page 16, 3. b) states that the permittee must include annual expenditure but "with a breakdown for the major elements of the SWMP". The attempt to isolate these costs individually presents an exceedingly complicated accounting process.

There are individual construction projects that have costs associated with BMPs that are not billed as SWMP costs. They are subsidiary to the costs of specific projects and handled in many separate accounts other than the TPDES account.

The BMPs and water quality practices that are indeed part of the SWMP are nevertheless considered expenditures for design, construction and maintenance costs. These elements overlap, are often duplicative of the Permit requirements and are not accounted for separately. Also, the number of new projects multiplied by their individual BMPs would run into several hundred items a month.

After receiving the letter requesting this information, an effort was made to investigate how it could be accomplished. It was discovered that compiling this information would take weeks of investigations involving several branches of TxDOT divisions. And the expected result of this endeavor would most likely remain an estimate.

A meeting could be arranged to further explain the difficulty in compiling this information if it is deemed necessary.

The portion of the special account costs are primarily:

TxDOT man-hours costs and
Consultant hours, labor, monitoring supplies, and laboratory fees

$93,000.

The information that is difficult to assemble and report would be:

Research costs investigating a new and specific water quality BMP for roadways.

Construction estimates – with the indeterminate % of each project devoted to water quality controls, erosion sediment controls and mitigation structures.

Maintenance estimates – with the indeterminate % allocated to maintenance crews and contractor review, repair and refurbishment of storm water, drainage, litter, mowing and man-hours.

The predicted Budget for next year (man-hours, administrative, monitoring and lab costs only) is estimated to again be:

approximately $92,000.

2) (Inspections):

As with the previous item, inspections are another aspect of TxDOT's diverse operations whereby arriving at the exact number is not easily determinable.

However, it can be categorically stated that inspections for all construction sites occur at least:

every 14 days (minimum, even at low operational activity)
every 7 days (usual) and
immediately after each significant rainfall event that occurs at the site.

Attempting to find the number of inspections taken at all the construction sites by date, type and location would be a formidable task. However, inspection intervals are addressed individually in every set of plans and the contractor must comply as directed by the authorized inspector.

Each construction site inspector keeps a daily diary, but there are always dozens of projects in progress. These diaries include a large volume of information in addition to the specifics of runoff, drainage issues and Best Management Practices. Inspections are recorded but counting them would be difficult.

A noteworthy aspect of this permit is that most of the construction activity is coincident with the boundary of the Edwards Aquifer Rules. The inherent precautions required for these rules exceed the requirements of the SWMP. The BMPs proposed and their inspection schedule must be TCEQ approved before construction can commence.

As for "facilities" there are two categories. One category is the roadway facilities themselves. The other is TxDOT buildings and campus operations. The roadway facilities in most areas are inspected almost every day by District maintenance forces. In more remote areas, they are inspected at least every week. Campus operations have "housekeeping" rules and inspections for items such as hazardous material handling, recycling activities and pesticide/herbicide scheduling. The inspections for these activities are directed as needed by supervisors and are in compliance with all other Federal requirements.

It is the District's scale of activity that makes reporting and coordinating specifics difficult. If deemed necessary, a personal meeting with key personnel can be provided to further discuss these issues.

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 8, 2009

T.X.D.O.T.
RECEIVED
OCT 13 2009
DISTRICT 14 - MAIL ROOM
AUSTIN

Mr. J. Gary Lantrip, P.G., P.E.
Texas Department of Transportation – Austin District
P.O. Drawer 15426
Austin, Texas 78761-5426

Re: Texas Department of Transportation – Austin District MS4 – Annual Report Review
TPDES Permit No. WQ0004645000 (CN600803456; RN103219069)

Dear Mr. Lantrip:

We received a letter on October 5, 2009 in response to our request for additional information following the administrative review of the annual report for Texas Department of Transportation – Austin District (TxDOT – Austin), for the July 1, 2008 through June 30, 2009 reporting period. After reviewing this information contained in your letter we offer the following comments:

The response to our request for additional information for the administrative review of the annual report appears to include all of the required information and is considered to be administratively complete. Additional information may be requested in the future as part of technical review, an inspection, or an audit. If new information is developed, TxDOT - Austin may choose to include the information in its entirety or reference the information and make it available for review by the Texas Commission on Environmental Quality (TCEQ) or U.S. EPA in the event of an inspection or audit.

The letter also included a discussion on how TxDOT - Austin has researched the feasibility of adding a second floatables monitoring location, as required by Section IV.B. of TPDES Permit No. WQ0004645000, "Monitoring and Reporting requirements."

We recognize the challenges for TxDOT – Austin to control and monitor floatables, and understand based on your letter that establishing a second monitoring location might not be feasible. The response that was provided appears to meet the conditions of this permit requirement.

If you have any questions about the information in this letter, please do not hesitate to contact Hanne Nielsen at 512-239-6524 or by email at hnielsen@tceq.state.tx.us.

Sincerely,

Jaya Zyman-Ponebshek
Storm Water & Pretreatment Team Leader (MC-148)
Water Quality Division

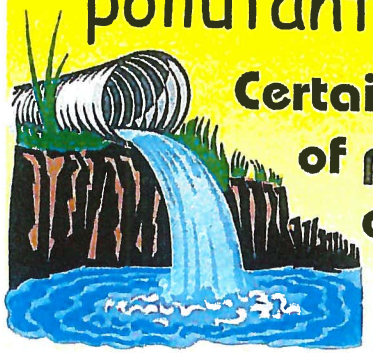
Appendix G.

Water Quality Brochure

Water Quality Textbook Cover

Pollution flows from streets to creeks!

What do pollutants do?



Certain levels of pollutants affect the water.

Fish die due to lack of oxygen. Oxygen is used up during the decomposition of leaves and lawn clippings that are in the water.

Algae blooms also take away oxygen. They are caused by too much detergent or fertilizer in the water.

Toxic chemicals may kill plants or fish along creeks.

Sediments from loose dirt cloud the water, clog fish gills, cover their breeding areas and smother their eggs.

Fish become harmful to eat when they ingest toxins from oils, cleaners, paints, solvents, herbicides and pesticides.

Pollution leaves the water unfit for contact recreation, causes unpleasant odors, and leaves unsightly conditions!

You can help protect our water



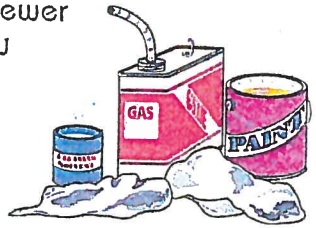
Car care

- Repair any oil, transmission fluid, gasoline, or antifreeze leaks as soon as possible.
- Use absorbent materials (kitty litter or sand) to dry up puddles of oil, gasoline or antifreeze left under vehicles.
- Take used oil and antifreeze to your local service station or oil recycling center for safe disposal or refining.
- Wash your car at a commercial car wash. The water drains to a sanitary sewer and not to the street. Or wash your car on the lawn. The grass keeps less detergent from entering creeks.



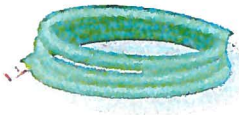
Household products

- Take household chemical waste to the proper collection centers.
- Buy and use non-toxic, biodegradable and recyclable products.
- Wash paintbrushes in a sink that drains to the wastewater sewer system. Do not allow the water to go into the street drain.

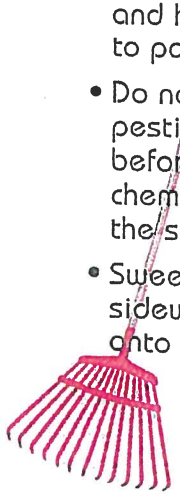


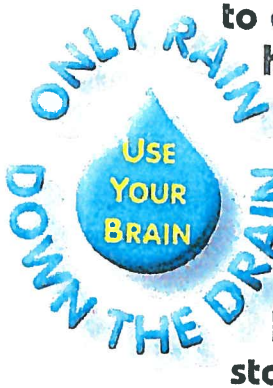
Yard care

- Use less water, fertilizer and pesticides by selecting plants and grasses that are well adapted to your area.



- Don't sweep grass clippings into the street; compost your yard waste.
- Use environmentally friendly pesticides and herbicides.
- Apply fertilizer, pesticides and herbicides according to package instructions.
- Do not apply fertilizer, pesticides or herbicides before an expected rain. The chemicals will get washed into the storm drains and creeks.
- Sweep loose fertilizer off sidewalks and driveways onto the lawn.



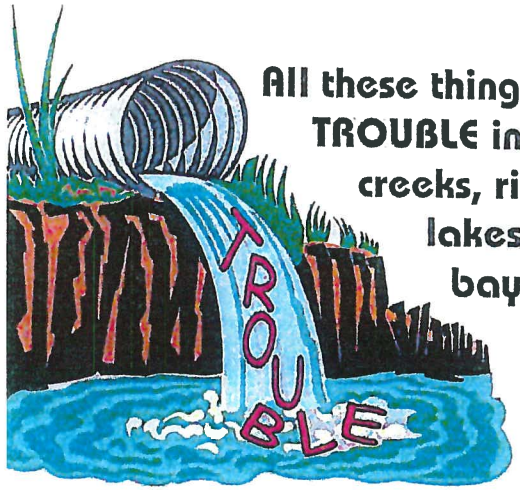


Remember: It's harmful to dump household cleaners, used oil, lubricants, grass clippings, or leaves into storm drains.

Recycled paper
Soy-based ink

Where does pollution come from?

- Oil from our cars
- Soaps from washing our cars
- Fertilizer, herbicide and pesticide from our lawns
- Sediment from erosion
- Toxins from illegal dumping into street drains
- Leaves and grass clippings from our lawns



All these things spell TROUBLE in our creeks, rivers, lakes and bayous!

Water quality starts with you!



Report environmental complaints to your local municipality, local water officials, or to the Texas Commission on Environmental Quality (TCEQ) tollfree at:

1.888.777.3186

www.tceq.state.tx.us/compliance/complaints

Texas Department of Transportation
Revised April 2009
Environmental Affairs Division

It's a FACT:

Our streets can contribute to pollution in our creeks!



Rain washes pollution off our streets and driveways and into storm drains.



This water does not pass through a treatment plant like water from your sink or bathroom. Instead, it flows untreated into small creeks and then into larger ones. Eventually, it reaches our rivers, lakes and bays.

Are you Poisoning your Water?

Tell Your Parents . . .

- Never pour pesticides down household drains, sewer inlets or stormwater inlets.
- Never fertilize or apply pesticides before an expected rain.

Can you find in the puzzle below items that cannot be safely poured down the drain? How many other words can you find?

T	R	A	S	H	B	I	N	A	C	O	M	P	O	S	T	O	N
E	R	P	E	S	T	I	C	I	D	E	S	P	C	A	N	S	A
A	C	A	P	A	R	K	D	I	E	S	E	L	F	U	E	L	L
R	G	I	N	K	W	A	P	A	I	N	T	B	U	G	S	O	I
E	A	N	W	S	E	A	N	V	M	O	T	O	R	O	I	L	G
C	W	T	U	E	M	R	T	T	I	N	O	T	N	S	C	O	H
Y	E	T	P	B	E	I	O	E	I	E	E	R	I	T	A	T	T
C	E	H	O	O	U	D	S	S	R	F	R	E	T	U	R	B	E
L	D	I	A	P	I	G	A	S	E	I	R	E	U	P	W	A	R
E	K	N	T	G	A	S	O	L	I	N	E	E	R	Y	A	T	F
L	I	N	P	E	S	T	O	N	O	O	E	B	E	E	X	T	L
U	L	E	T	U	R	P	E	N	T	I	N	E	P	Z	U	E	U
C	L	R	M	O	T	H	B	A	L	L	S	F	O	E	E	R	I
K	E	S	W	I	M	M	I	N	G	P	O	O	L	A	C	I	D
B	R	A	K	E	F	L	U	I	D	O	G	A	I	U	M	E	O
O	H	B	O	O	K	W	E	V	A	R	N	I	S	H	I	S	N
W	A	O	V	E	N	C	L	E	A	N	E	R	H	O	P	D	E
L	H	A	Z	A	R	D	O	U	S	W	A	S	T	E	V	E	N

VARNISH	BRAKE FLUID	LIGHTER FLUID	TURPENTINE
GASOLINE	PAINT THINNER	OVEN CLEANER	MOTHBALLS
MOTOR OIL	SWIMMING POOL ACID	DIESEL FUEL	RAT POISON
PESTICIDES	TRANSMISSION FLUID	WEED KILLER	KEROSENE
ANTIFREEZE	FURNITURE POLISH	RAT POISON	CAR WAX
	HAZARDOUS WASTE		

Get Into The Recycling Habit!

Recycling saves energy and reduces air pollution.

Recycling one ton of paper saves

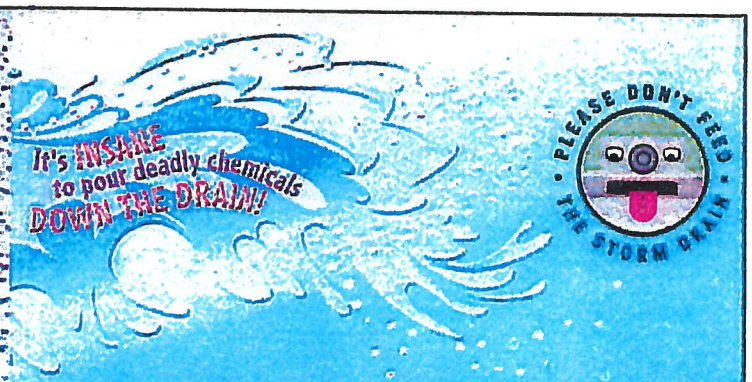
- 7,000 gallons of water
- 3.3 cubic yards of landfill space
- 17 trees (paper pulp equivalent)
- 4,100 kilowatt-hours of electricity (enough to power an average-size home for 6 months) (EPA)

Recycling one aluminum can saves enough electricity to power a 100-watt light bulb for 3 hours or your television for 3 hours.

Recycling one pound of aluminum cans saves 7.5 kilowatt-hours of electricity.

Texas Department of Transportation

Student: _____ Subject: _____


It's INSANE to pour deadly chemicals DOWN THE DRAIN!
PLEASE DON'T FEED THE STORM DRAIN

When grass clippings, pet waste, automotive products, fertilizers, pesticides and other chemicals wash down a storm drain, they don't go away. They flow into streams, rivers, lakes or bays, harming plants and animals and contaminating the water we drink. The technical term is "nonpoint source pollution." Here's how to make sure that you don't help feed the storm drain:

YARD
Don't overfertilize. Sweep (do not wash) fertilizer and soil off driveways and walkways.

PET
Pick up pet waste from yards, trails and sidewalks.

CAR
Maintain your car to prevent oil leaks and recycle used motor oil.

HOME
Use nontoxic or natural household cleaning products. Recycle or properly dispose of household chemicals.

1-800-CLEAN UP

Texas Department of Transportation

Texas Department of Transportation

Book Cover Art Provided by: TCEQ Texas Commission on Environmental Quality

Recycled Paper

Walraven
3601 Regency Crest Drive #108 • Garland, Texas 75041
(800) 442-1743 • www.walravenco.com

Center textbook on book cover and fold top and bottom ends to size of book. Centrar el libro de texto sobre el forro doblando el exceso hasta que miden igual de arriba a abajo.

Fold in sides of book cover to create sleeves for ends of book. Doblar los lados del forro por dentro formando dos mangas.

Slide ends of book into sleeves and you're covered. Meter la portada del libro dentro de las mangas del forro y estará cubierta.

Make sure your textbooks are covered at all times! Asegurar que sus libros estén cubiertos a todo tiempo!

© 1993 WALRAVEN INSTRUCTIONS ONLY

This Book Belongs To:

Student Name _____ Subject _____

207-650-005

Appendix H.

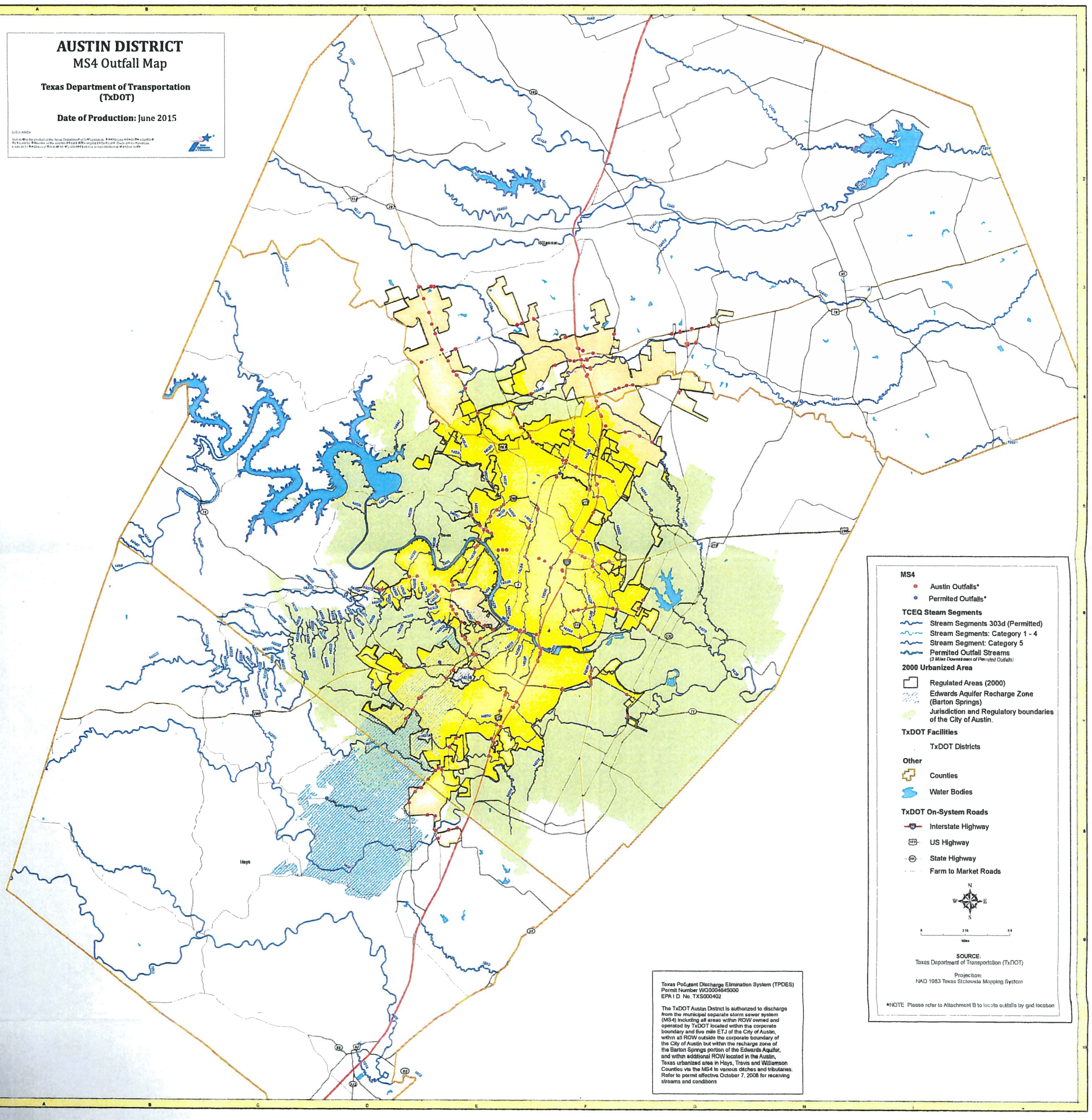
Outfall Map

AUSTIN DISTRICT

MS4 Outfall Map

Texas Department of Transportation (TxDOT)

Date of Production: June 2015



MS4
- Austin Outfalls*
- Permited Outfalls*

TCEQ Steam Segments
- Stream Segments 303d (Permitted)
- Stream Segments: Category 1 - 4
- Stream Segment: Category 5
- Permited Outfall Streams (3 Miles Downstream of Permitted Outfalls)

2000 Urbanized Area
- Regulated Areas (2000)
- Edwards Aquifer Recharge Zone (Barton Springs)
- Jurisdiction and Regulatory boundaries of the City of Austin.

TxDOT Facilities
- TxDOT Districts

Other
- Counties
- Water Bodies

TxDOT On-System Roads
- Interstate Highway
- US Highway
- State Highway
- Farm to Market Roads

N W E S

0 2.75 5.5 Miles

SOURCE:
Texas Department of Transportation (TxDOT)

Projection:
NAD 1983 Texas Statewide Mapping System

*NOTE Please refer to Attachment B to locate outfalls by grid location

Texas Pollutant Discharge Elimination System (TPDES)
Permit Number WQ0004845000
EPA I D No. TXS000402

The TxDOT Austin District is authorized to discharge from the municipal separate storm sewer system (MS4) including all areas within ROW owned and operated by TxDOT located within the corporate boundary and five mile ETJ of the City of Austin, within all ROW outside the corporate boundary of the City of Austin but within the recharge zone of the Barton Springs portion of the Edwards Aquifer, and within additional ROW located in the Austin, Texas urbanized area in Hays, Travis and Williamson Counties via the MS4 to various ditches and tributaries. Refer to permit effective October 7, 2008 for receiving streams and conditions

Beaumont District

TABLE 10 BMP IMPLEMENTATION SCHEDULE

BMP	BMP DESCRIPTION	IMPLEMENTATION STATUS
	STRUCTURAL CONTROL AND COLLECTION SYSTEM OPERATION	
1-1	Vegetation Revegetation Program	100% Implemented
1-2	Systematic Inspection Program	100% Implemented
1-3	Source Control Measures	100% Implemented
1-4	Mowing Program	100% Implemented
1-5	Litter Collection Prioritization (LIDS)	100% Implemented
	NEW DEVELOPMENT AND REDEVELOPMENT PROJECTS	
2-1	Impacts of Highway Development	100% Implemented
	ROADWAYS	
3-1	Mowing Program	100% Implemented
3-2	Inspection of TxDOT Vehicles	100% Implemented
3-3	Litter Pickup Program	100% Implemented
3-4	Landscaping Program	100% Implemented
3-5	Adopt-A-Highway	100% Implemented
3-6	Street Sweeping Program	100% Implemented
3-7	Stockpiled Materials	100% Implemented
	FLOOD CONTROL PROJECTS	
4-1	Design Criteria for New Flood Control Projects	100% Implemented
	HERBICIDES AND PESTICIDES	
5-1	Herbicide Certification Training Program	100% Implemented
	ILLICIT DISCHARGE AND IMPROPER DISPOSAL	
6-1	Utility Permitting	100% Implemented
6-2	Investigation of Dry Weather Flows and Illicit Discharges	100% Implemented
6-3	Public Reporting of Illicit Connections and/or Improper Disposal	100% Implemented
	SPILL RESPONSE PROGRAM	
7-1	TxDOT Spill Response Program	100% Implemented
	CONSTRUCTION SITE RUNOFF	
8-1	Construction Site Runoff Program	100% Implemented
8-2	Pre-construction Planning Meeting	100% Implemented
8-3	Storm Water Inspection Program	100% Implemented
	PUBLIC EDUCATION	
9-1	Public Education	100% Implemented
	MONITORING PROGRAMS	
10-1	Map and Database of Outfall Locations	100% Implemented
10-2	Wet Weather Screening	100% Implemented
10-3	Dry Weather Screening	100% Implemented

BEAUMONT DISTRICT MS4 Permit WQ0005011000
Table 2 Cost

BEAUMONT DISTRICT
GAP - September - November 2016

Function Code (List)		Total State Forces Cost	Total Contract Cost	TOTAL COST
511- ROW Mowing		$18,450.00	$562,703.00	$581,153.00
513 - Spot Mowing		$1,068.00	$2,926.00	$3,994.00
	Mowing Total	$19,518.00	$565,629.00	$585,147.00
521- Litter Removal		$8,035.00	$198,332.00	$206,367.00
524 - Spot Litter		$13,734.00	$6,338.00	$20,072.00
	Litter Total	$21,769.00	$204,670.00	$226,439.00
522 - Mechanical Sweeping		$3,821.00	$334,417.00	$338,238.00
527 - Hand Sweeping		$0.00	$3,568.00	$3,568.00
	Sweeping Total	$3,821.00	$337,985.00	$341,806.00
525 - Adopt-a-Highway		$4,964.00	$0.00	$4,964.00
548 - Seeding		$0.00	$0.00	$0.00
551 - Landscaping		$0.00	$0.00	$0.00
811-Snow and Ice Response		$0.00	$0.00	$0.00

Beaumont District's MS4 Phase II GAP Report for 2016

MCM – 1

Public Education and Outreach: For September and October 2016 there were no meetings or hearings. However, a meeting for the IH 10 project in Jefferson and Orange Counties was conducted November 17, and November 20, 2016.

MCM – 2

Public Involvement and Participation: Adopt – A – Highway Program – No AAH activities were conducted during the GAP period. The Texas Trash Off was not conducted during the 2016 GAP period.

MCM – 3

Illicit Discharge Detection and Elimination: No changes to the Storm Sewer Outfall Inventory Map were made during the 2016 GAP period.

MCM – 4

Construction Site Storm Water Runoff Control: Beaumont District Construction Department reported no non-compliance conditions regarding the Construction General Permit requirements during the GAP Period. No third party construction sites were discovered during the 2016 GAP Period.

MCM – 5

Maintenance and Permanent Structural Controls: During the GAP period construction inspectors did not report any unauthorized discharges to the MS4 from construction sites outside the TxDOT ROW. No permanent control measures currently exist or are deemed necessary within the ROW.

MCM – 6

Pollution Prevention (PP) and Good Housekeeping (GH): Maintained monthly inspections during the GAP period. No PP or GH issues were found during the 2016 GAP period. Training classes which were provided during the 2016 GAP period included Stormwater Erosion and Sedimentation Control 1 (ENV 300), and 2 (ENV and Stormwater Pollution Prevention Planning (ENV 103).

Bryan District

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Texas Department of Transportation



Texas Department of Transportation –Bryan District

Annual Report
TPDES Phase II MS4 General Permit No. TXR040181

RN 105546857

Including the 2010 Census Urbanized Area

Reporting Period: August 13, 2016 – November 30, 2016

DocuSign Envelope ID: A023DD5C-9127-44FB-89D5-E20A46C67535

Permit No.: TXR040181/ TxDOT Bryan District

Phase II (Small) MS4 Annual Report Form
TPDES General Permit No. TXR040000

A. General Information

1. Permit No. _____TXR040181_____Annual Report Period: August 13, 2016 – November 30, 2016

   Name of MS4 / Permittee: Texas Department of Transportation –Bryan District

   Contact Name: _John D. Moravec_____ Telephone Number: _(979)778-9766_____

   Mailing Address: ___2591 North Earl Rudder Freeway, Bryan Texas 77803-5191_____

   E-mail Address: __john.moravec@txdot.gov_____

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes ____X____ No

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

   Name and Explanation: _____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X_____No

   If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

   Permit Number: _____ Permittee: _____

4. Is this a system-wide annual report including information for all permittees? _____ Yes ____X___ No

   Explanation, if any _____

5. Has a copy of this annual report been submitted to the TCEQ Regional Office? ___X___ Yes _____ No

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B. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. 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

   b. If Yes to the above, has the TCEQ already approved the original SWMP? _____ Yes ____X___ No

   _____

   _____

   c. If Yes to the above, indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) _____ Yes ____X____ No

   ____Per TCEQ instruction, the above editorial change in the SWMP does not require an NOC. _____

   _____

2. The MS4 has annexed lands since obtaining permit coverage. _____ Yes ____X___ No

   _____

   _____

3. A receiving water body is newly listed as impaired or a TMDL has been established. ____ X____ Yes _____ No

__On August 22, 2012 TCEQ adopted the Bacteria TMDLs for Carters Creek watershed- Segments 1209C, 1209D, 1209L Assessment Units 1209C_01, 1209D_01 and 1209L_01._Information regarding the TMDL can be found on the TCEQ webpage __http://www.tceq.texas.gov/waterquality/tmdl/85-carterscreek.html

_____

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4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes _____X__ No

   Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

   _____

   _____

C. Narrative Provisions.

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	**X**		As described in Table 2 in Part D, we [Bryan District] are in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	**X**		This report brings us current with the reporting requirements. Supporting records can be inspected at 2591 North Earl Rudder Freeway, Bryan, TX 77803-5191
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	**X**		We meet the eligibility requirements described in Part II.C., including those requirements pertaining to TMDLs, Edwards Aquifer, and compliance history.

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2. Provide a general assessment of the appropriateness of the selected BMPs:

Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? _____ Yes ___X___ No

If Yes Provide explanation:

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

While we do not have analytical data that demonstrates a measurable pollutant reduction, progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) can be quantified in terms of BMP implementation and progress towards meeting our measurable goals. This is consistent with 40 CFR §122.34, which states "Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the 'maximum extent practicable.'" Even though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that said litter will pollute storm water, resulting in a clear, although not quantified, pollutant reduction.

The progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) for the district can be measured by implementing the following BMPs:

<u>MCM-1, BMP: Flyers and Brochures</u>

TxDOT will provide flyers and brochures to educate the public on storm water impacts and ways they can minimize pollutants in storm water runoff. These informational materials will be distributed at public meetings conducted for projects that are proposed to occur within and in the immediate vicinity of the Phase II area. Providing the public with flyers and brochures will assist in reducing the discharge of pollutants to the MEP. There were no public meetings or public hearings within the Phase II area during the reporting period. Finally, TxDOT Bryan District has voluntarily participated with Brazos Clean Water (website http://www.brazoscleanwater.org/).

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MCM-1, BMP: Education of Construction Site Personnel

Site personnel who are directly involved in construction activities within the TxDOT right of way can directly influence the quality of storm water runoff discharged from the MS4. Providing them with educational materials on the effect of pollution in storm water runoff assists in reducing the discharge of pollutants to the MEP. There were no construction projects requiring an NOI/CSN initiated with a pre-construction meeting for projects that are in or serve the MS4 Phase II area. Also, there were no construction projects requiring an NOI completed. Therefore; there are four (4) projects with NOIs/CSNs remaining active through the period SH 6 (X-Ramps), CSJ: 0049-12-087, NOI; SH 21, CSJ: 0117-01-046, CSN; SH 21 Crossovers, CSJ: 0116-04-101, CSN and SH 6 X-Ramps II, CSJ: 0049-12-096, NOI

MCM-2, BMP: Adopt-A-Highway Program

Providing educational materials on the effect of pollution in storm water runoff to the volunteers, and removing floatables and other solid waste materials from the right of way have reduced the discharge of pollutants to the MEP. Approximately 7 Adopt-A-Highway events were afforded with approximately 14 miles of the MS4 Phase II area cleaned. Approximately 52 trash bags were collected in the Phase II area in year ten.

MCM-3, BMP: Develop Storm Sewer Outfall Inventory Map

This map was determined to be an appropriate BMP for locating and tracking potential illicit discharges to the MS4, and will assist in reducing the discharge of pollutants to the MEP. The district identified and mapped all outfalls within the MS4 area. An outfall map is attached in **Attachment B**.

MCM- 3. BMP: MS4 Outfall Screening (Dry Weather Screening of Outfalls)

Regulated outfalls were screened for dry weather flow and potential illicit discharges. The monitoring was determined to be an appropriate BMP for adequately locating and tracking potential illicit discharges to the MS4, and will assist the district in reducing the discharge of pollutants to the MEP. The district screened all outfalls under the dry weather screening program and identified 2 potential illicit discharges in Year 4. These potential illicit discharge outfalls will be included in the new permit application. The district did not perform any corrective actions since no actual illicit discharge occurred within the MS4 area.

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MCM-4, BMP: Compliance with the CGP

The practice to ensure compliance with the TPDES Construction General Permit was determined to be an appropriate BMP for controlling storm water runoff from construction sites and has assisted the district in reducing the discharge of pollutants to the MEP. During the reporting period there were two (2) CGP NOIs for large projects, and two (2) Construction Site Notices for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. The activities taken to ensure compliance according to the plan are recorded and kept in the project's SW3P records.

MCM-4, BMP: Identify and eliminate discharges from construction sites outside of ROW with inadequate controls

The selected BMP was evaluated and determined to be an appropriate BMP for limiting the discharge of pollutants to the regulated MS4 from construction activities outside of the TxDOT right of way and jurisdiction. The district identified no/zero discharges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls.

MCM-5, BMP: Maintenance of Permanent Control Measures (Mowing repair of erosion features, etc.)

The inspection and maintenance of permanent control measures to ensure that control measures remain in good condition and continue to control storm water runoff have reduced the discharge of pollutants to the MEP. Throughout the report period approximately 100% of the Phase II area was surveyed; whereas district maintenance personnel travel daily working in the area. The types of maintenance activities that occurred during the period were mowing, herbicide and sign instillation/maintenance.

MCM-5, BMP: Determine the need for stormwater structural controls in areas of new development and redevelopment

The selected BMP, the practice to review construction plans for the appropriate choice of post construction storm water management and to incorporate storm water controls to address storm water runoff was determined to be an appropriate BMP for controlling storm water runoff from construction sites and will assist the district in reducing the discharge of pollutants to the MEP.

New development and redevelopment projects within the ROW are under TxDOT control. Internal coordination with the Director of Transportation Planning and Development occurs to identify early in the planning, design, and project development process any structural controls that should be included for areas of new or re-development. TxDOT policy requires all new development and re-development projects, including highway construction subject to the TCEQ Storm water Construction General Permit, to

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include permanent controls appropriate for the project and for local water bodies. Permanent controls may be structural or non-structural in nature. Because highway projects are linear in nature and right-of-way is often limited, non-structural controls are frequently necessary and may be preferred when they are decided to be adequate.

It is difficult to track the number of construction projects within the MS4 Phase II area and their post-construction runoff control measures during the planning stage. (With the uncertainty of funding for projects, the lengthy time for project development and the uncertainty of actual let for construction dates it is considered prudent to document projects under construction and the resulting appropriate controls.)

MCM-6, BMP: Employee Training

The selected BMP is to ensure district employees attend at least one training class per permit term. The BMP was evaluated and determined to be an appropriate BMP for providing information to personnel on environmental issues that can encourage the control for the discharge of pollutants in the MS4 from district operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP. The following training classes are provided to employees: **Hazardous Materials Awareness** (Various dates attended throughout time period because this is offered online now)-**5 attendees**, **Hazardous Communication** (Various dates attended throughout time period because this is offered online now)–**5 attendees**, **Small Quantity Spill Response**-(11/09/2016) **4 attended**, **Herbicide Certification** -**0 attendees** and **Storm Water Erosion** -**0 attendees**.

MCM-6, BMP: Disposal of Waste

The selected BMP is to ensure proper disposal of accumulated sediment and solid wastes. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from district operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP. Volume and nature of waste removed from roadways by litter collection (not including Adopt-A-Highway)/street sweeping and spoil from materials removed during maintenance of drainage ditches and structural controls.

Litter Collection*	Silt Material*
1,179 cubic yards	200 cubic yards

*Inspections within MS4 area performed daily as part of normal maintenance operations

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MCM-6, BMP: Inspection of Structural Controls for Sand and Ice Stone Storage Areas

The district inspects the structural controls within the MS4 Phase II area at least once per year. During inspection, the structural controls are evaluated for any needed maintenance, repair or replacement and a schedule is established for follow-up actions as is necessary. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from district operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP. Inspections within the MS4 area are performed daily as part of normal maintenance operations. No repairs were required during the reporting period.

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

   The above programs have assisted the district in reducing the discharge of pollutants to the MEP. There are a few obstacles or challenges in implementing the programs as follows:

   Continued Budget– Each year the district is challenged by providing and maintaining services like mow, sweep or pick up litter from the roadway.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated via notices of intent or site notices:

   We received No NOIs and No Construction Site Notices

6. Does the permittee utilize the 7th MCM related to construction? _____ Yes ____X___ No

   If Yes, then provide the following information:

   a. The number of municipal construction activities authorized under this general permit: _____N/A_____

   b. The total number of acres disturbed for municipal construction projects: _____N/A_____

   Though the 7th MCM is optional, this must be requested on the NOI or on a NOC and approved by the TCEQ.

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7. Requirements for Specific Minimum Controls Measures (MCMs):

    a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM. See **Attachment A**

    b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.). See **Attachment A**

    c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

    Not applicable; we utilize the list in the permit.

8. Describe any proposed changes to the SWMP in the coming reporting year.

There are no proposed changes to the SWMP in the coming reporting year. TxDOT prepared an MS4 permit application and a Storm water management plan to TCEQ for a Statewide Individual Permit (IP). This report covers the gap in time between the operation of the existing SWMP and the issuance of the statewide permit.

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

Table 1 – Year 5-Plus Planned Activities

MCM 1 - Public Education and Outreach on Storm Water Impacts

	BMP	**Activity**	**Records to be Maintained and Summarized in Annual Report**
Year 5-Plus	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area.	Estimated quantities and description of material distributed or posted, and date of public meetings where materials were distributed or copies of sign in sheet where materials were distributed.
	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide water quality materials.	Record date and project where water quality materials were distributed.

MCM 2 - Public Involvement and Participation

	BMP	**Activity**	**Records to be Maintained and Summarized in Annual Report**
Year 5-Plus	Adopt-A-Highway Program	Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, bags of materials removed.

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MCM 3 - Illicit Discharge Detection and Elimination

	BMP	Activity	Records to be Maintained and Summarized in Annual Report
Year 5-Plus	Develop Storm Sewer Outfall Inventory Map	Identify and map on a schedule such that every outfall is mapped by the end of the 5-year implementation period.	Provide a list or printed map of outfalls inventoried and verify that the map is complete
	Storm Sewer Outfall Inventory Map	Update the map to include new and relocated outfalls.	Provide records to document updated map.
	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen all outfalls that were not previously screened utilizing the complete final storm sewer outfall inventory map.	Provide a list of outfalls for which dry weather screening was performed. Summarize and report all follow-up actions resulting from screening.

MCM 4 - Construction Site Storm Water Runoff Control

	BMP	Activity	Records to be Maintained and Summarized in Annual Report
Year 5-Plus	Compliance with the CGP	Implement the plan to ensure TxDOT will comply with, and require its contractors to comply with the CGP.	Record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. Record the activities taken to ensure compliance according to the plan.
	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	Identify discharges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls. Follow procedures described in Section 5.B. to resolve the issue.	Record and describe evidence of construction site runoff with inadequate controls. Record corrective measures taken.

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MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment

	BMP	Activity	Records to be Maintained and Summarized in Annual Report
Year 5-Plus	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	Survey the entire MS4 Phase II area to identify needed maintenance, establish a maintenance schedule, and perform needed maintenance.	Record the maintenance activities and the percentage of the Phase II area that was surveyed.
	Determine the need for stormwater structural controls in areas of new development and redevelopment.	Identify stormwater runoff issues during construction for new development and redevelopment of transportation facilities. Incorporate stormwater controls to address hydraulic and water quality issues.	Document stormwater issues addressed during the construction and the resultant controls that were implemented.

MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations

	BMP	Activity	Records to be Maintained and Summarized in Annual Report
Year 5-Plus	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).

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	Employee Training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with the date and the number that attended
	Disposal of Waste	Ensure proper disposal of litter and debris removed from roadways by litter collection and/or street sweeping. Ensure proper disposal of spoil materials removed during maintenance of drainage ditches and structural controls.	Record volumes and nature of disposed waste.
	Inspection of Structural Controls for sand and ice stone storage areas.	Inspect structural controls at least once per year. Determine the need for maintenance, repair, or replacement and schedule follow-up actions as is necessary.	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions.

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D. Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)*

Please note: Since each of our BMPs have measurable goals, TxDOT combined Tables 1 and 2 in the original template in order to minimize redundancy.

Table 2 – Year 8 BMP and Measurable Goals Status

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Year 5 Milestones/ Accomplishment/	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal, -Exceeded Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1 - Public Education and Outreach on Storm Water Impacts	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area.	There were no public meetings or public hearings within the Phase II area during the reporting period; Finally TxDOT Bryan District has voluntarily participated with Brazos Clean Water (website http://www.brazoscleanwater.org/).	Completed 08/2016 – 11/2016	Met Goal	No

MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide water quality materials.	There were no construction projects requiring an NOI/CSN initiated with a pre-construction meeting for projects that are in or serve the MS4 Phase II area There were no construction projects requiring an NOI completed. Therefore; there are four (4) projects with NOIs/CSNs remaining active through the period SH 6 (X-Ramps), CSJ: 0049-12-087, NOI; SH 21, CSJ: 0117-01-046, CSN; SH 21 Crossovers, CSJ: 0116-04-101, CSN and SH 6 X-Ramps II, CSJ: 0049-12-096, NOI	Completed 08/2016 – 11/2016	Exceeded Goal	No
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, bags of materials removed.	Approximately 7 Adopt-A-Highway events were afforded with approximately 14 miles of the MS4 Phase II area cleaned. Approximately 52 trash bags were collected in the Phase II area in year ten.	Completed 08/2016 – 11/2016	Exceeded Goal	No
MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	Develop Storm Sewer Outfall Inventory Map	Identify and map on a schedule such that every outfall is mapped by the end of the 5-year implementation period.	The district identified and mapped all outfalls within the MS4 area. An outfall map is attached in **Attachment B**.	Completed/Updated 09/2011 – 8/2012	Met Goal	No
MCM 3 - Illicit Discharge Detection and Elimination	Update Storm Sewer Outfall Inventory Map	Update Storm Sewer Outfall Inventory Map	Update the map to include new and relocated outfalls.	The outfall inventory map was completed During Year 4. See map in **Attachment B**.	Completed 09/2010 – 8/2011	Met Goal	No

MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen all of the outfalls in the most current map available. Alternatively, establish a screening schedule so that all outfalls will be screened by the end of the 5-year implementation period.	The district screened all outfalls under the dry weather screening program and identified 2 potential illicit discharges in Year 4. These potential illicit discharge outfalls will be included in the new permit application. The district did not perform any corrective actions since no actual illicit discharge occurred within the MS4 area.	Completed 09/2011 – 8/2012	Met Goal	No
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	Implement the plan to ensure TxDOT will comply with, and require its contractors to comply with the CGP.	Record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. Record the activities taken to ensure compliance according to the plan.	During the reporting period there were two (2) CGP NOIs for large projects, and two (2) Construction Site Notices for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. The activities taken to ensure compliance according to the plan are recorded and kept in the project's SW3P records.	Completed 08/2016 – 11/2016	Met Goal	No
MCM 4 - Construction Site Storm Water Runoff Control	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	Identify discharges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls. Follow procedures described in Section 5.B. of the SWMP to resolve the issue.	Record and describe evidence of construction site runoff with inadequate controls. Record corrective measures taken.	The district identified no/zero discharges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls.	Completed 08/2016 – 11/2016	Met Goal	No
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	Survey the entire MS4 Phase II area to identify needed maintenance, establish a maintenance schedule, and perform needed maintenance.	Record the maintenance activities and the percentage of the Phase II area that was surveyed.	Throughout the report period approximately 100% of the Phase II area was surveyed; whereas district maintenance personnel travel daily working in the area. The types of maintenance activities that occurred during the period were mowing, herbicide and sign maintenance instillation/maintenance.	Completed 08/2016 – 11/2016	Met Goal	No
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Determine the need for storm water structural controls in areas of new development and redevelopment	Identify stormwater runoff issues during planning, design, and project development process for new development and redevelopment of transportation facilities. Incorporate stormwater controls to address hydraulic and water quality issues.	Document stormwater issues addressed during the planning, design, and project development process and the resultant controls that were implemented.	It is difficult to track the number of construction projects within the MS4 Phase II area and their post-construction runoff control measures during the planning stage. (With the uncertainty of funding for projects, the lengthy time for project development and the uncertainty of actual let for construction dates it is considered prudent to document projects under construction and the resulting appropriate controls.)	Completed 08/2016 – 11/2016	Met Goal	No

MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).	The selected BMP is to ensure that inspections are completed on MS4 Phase II district facilities at least once per permit term. SPCC Plan is no longer required for Bryan District Headquarters and Brazos County Maintenance Facility had no changes to their plan - November 2015.	Completed 09/2010 – 8/2011 and November 2015	Met Goal	No
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee Training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with the date and the number that attended	The following training classes are provided to employees: **Hazardous Materials Awareness** (Various dates attended throughout time period because this is offered online now)-**5 attendees**, **Hazardous Communication** (Various dates attended throughout time period because this is offered online now)–**5 attendees**, **Small Quantity Spill Response**-(11/09/2016) **4 attended**, **Herbicide Certification** -**0 attendees** and **Storm Water Erosion** -**0 attendees**	Completed 08/2016 – 11/2016	Met Goal	No
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Ensure proper disposal of litter and debris removed from roadways by litter collection and/or street sweeping. Ensure proper disposal of spoil materials removed during maintenance of drainage ditches and structural controls.	Record volumes and nature of disposed waste.	Liter collection 1,179 cubic yards 200 cubic yards of silt removal this report period	Completed 08/2016 – 11/2016	Met Goal	No
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand and ice stone storage areas.	Inspect structural controls at least once per year. Determine the need for maintenance, repair, or replacement and schedule follow-up actions as is necessary.	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions.	Inspections within MS4 area performed daily as part of normal maintenance operations No repairs required during the reporting period.	Completed 08/2016 – 11/2016	Met Goal	No

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E. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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): _____Lance W. Simmons, P.E _____*Title: _Bryan District Engineer TxDOT_____

Signature: DocuSigned by: _____ 7A1E426988DE4A2... Date: 1/31/2018

*Must be signed by a "principal executive officer…having responsibility for the overall operations of a principal geographic unit of the agency" as described in 30 TAC §305.44 (Signatory to Applications) and referenced in 30 TAC §305.128 (Signatory to Reports). This requirement is met by the District Engineer.

DocuSign Envelope ID: A023DD5C-9127-44FB-89D5-E20A46C67535

Attachment A
DOCUMENTATION OF THE ACTIVITIES CONDUCTED, MATERIALS USED, AND AMOUNT OF RESOURCES USED TO ADDRESS EACH GROUP TO FULLFILL THE MCM -1 (PUBLIC EDUCATION AND OUTREACH)

Activities	Target Group (school, visitor, business, employee, construction personnel, etc.)	Locations	Materials/Resources	Quantity
Voluntary participation with website http://www.brazoscleanwater.org/	General Public in MS 4 and beyond	website http://www.brazoscleanwater.org/	Items on website	undetermined
Don't Mess With Texas http://dontmesswithtexas.org/	Statewide General Public in MS 4 and beyond	Statewide advertising http://dontmesswithtexas.org/	Statewide advertising that includes social media messaging and billboards	undetermined

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Attachment B
TXDOT BRYAN DISTRICT STORM SEWER OUTFALL MAP

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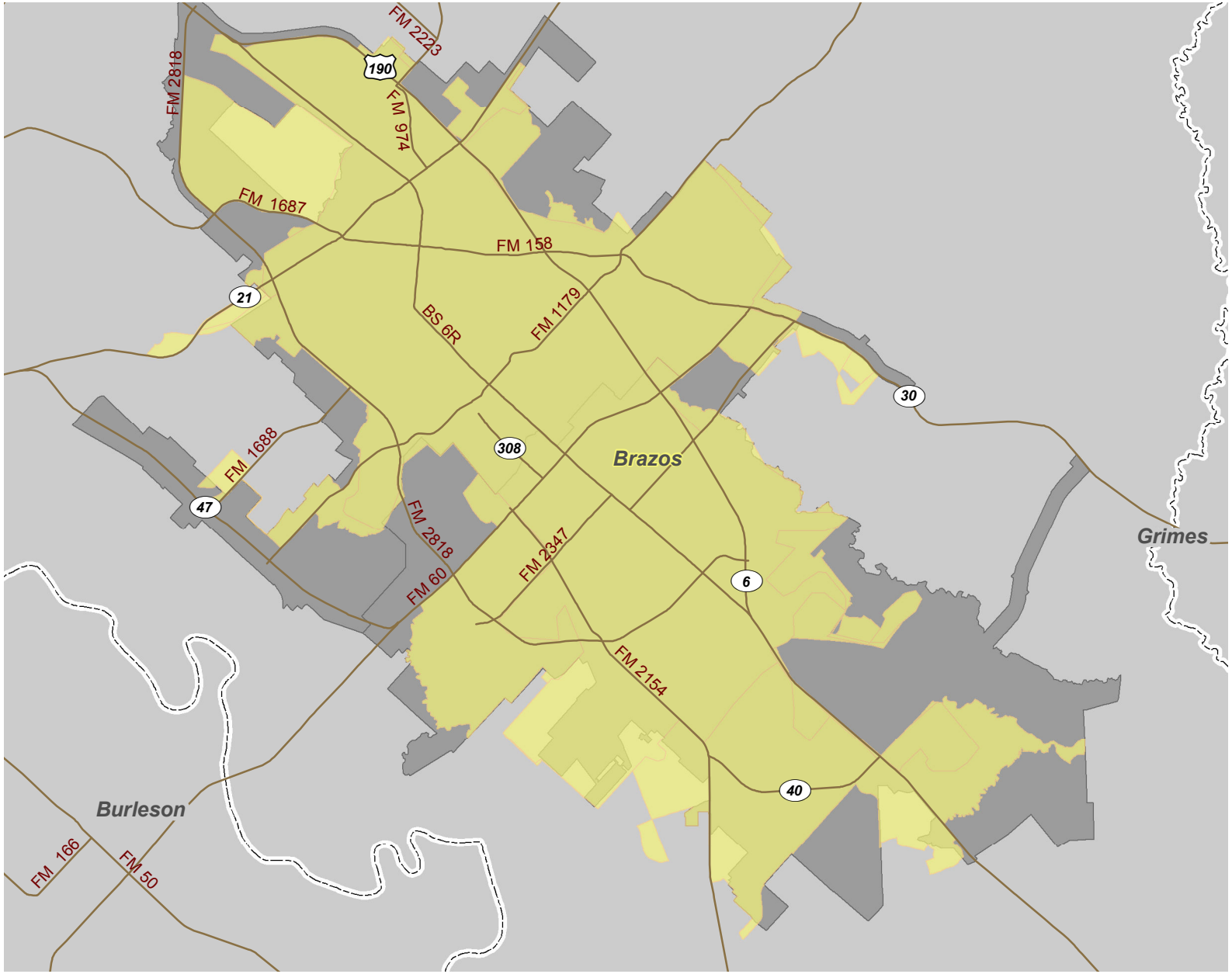
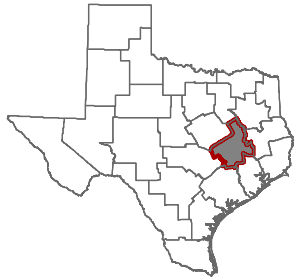


Texas Department of Transportation

MS4 Boundaries

BRYAN DISTRICT



Locator Map

Key Features

- TxDOT On-System Roads
- MS4 Boundary Areas
- City Limits
- County Boundaries
- District

0 1.75 3.5

Miles

DISCLAIMER:

This map is the product of the Texas Department of Transportation. It was produced with the intent that it be used for the review of the referenced data at the original plotted scale. There are no warranties made as to the fitness of this map for any unlisted purposeor reproduction at any other scale.

Corpus Christi District

MS4 Annual Reporting

NPDES MS4 Permit No. WQ0004200000, WX0005011000

Phase I Report Information - November 1, 2016 to November 30, 2016

(Last Annual Report Covered Period of November 1, 2015 to October 31, 2016)

Minimum Control Measure (MCM)	Best Management Practice (BMP)	Reporting
MCM 1 *- Structural Controls*	*Facility Inspections; Inspection of Structural Controls.*	Facility Operations Environmental Advisory Survey for Corpus Christi District completed October 2017 and submitted to District on November 31, 2016. Copy of report on file at the District and ENV. Maintenance informally inspected structural controls for the roadways and performed routine maintenance and repair as needed as part of their daily functions.
MCM 2 *- Areas of New Development and Significant Redevelopment*	*Maintenance of Permanent Control Measures (mowing, repair of erosion, etc); Determine the need for storm water structural controls in areas of new development and redevelopment.*	Two projects were under construction within the MS4 Phase I area during the reporting period. These including roadway improvements on State Highway (SH) 286 (Crosstown Expressway) from SH 357 (Saratoga Blvd.) to 1.0 mile south of Farm to Market (FM) 43, and roadway improvements on FM 2444 from Oso Parkway to SH 286. No new structural controls proposed in areas of new development and redevelopment.
MCM 3 *- Roadways*	*Disposal of Waste; Inspection of Structural Controls for sand and ice rock storage areas.*	Approximately 3,800 cubic feet of litter and debris was removed from roadways by litter collection and/or street sweeping. No facilities within MS4 area that contain sand and ice rock storage areas.
MCM 4 *- Flood Control Projects*	*N/A - The District does not construct flood management projects within the City of Corpus Christi.*	No construction of flood management projects.
MCM 5 *- Pesticide, Herbicide, and Fertilizer Application*	*Facility Inspections, Employee Training.*	Facility Operations Environmental Advisory Survey on file at District and ENV. Employee training completed during the reporting period (number of participants in parentheses) includes the following: Field ENV Emergency Compliance (1), 404 Compliance During Construction (1), Storm Water Env Req During Con (1), Haz Materials Awareness Trng (18).

MCM 6 *- Illicit Discharges and Improper Disposal*	*Develop Storm Sewer Outfall Inventory Map; Update Outfall Locations; Illicit and Dry Weather Screening Plan; Disposal of Waste.*	Stormwater Outfall Inventory on file at District and ENV. No new or relocated outfalls. Illicit and Dry Weather Screening of outfalls was completed in previous years. Approximately 3,800 cubic feet of litter and debris was removed from roadways by litter collection and/or street sweeping
MCM 7 *- Spill Prevention and Response*	*Facility Inspections; Employee Training; Roadway Spill Response Notification; Interlocal Agreement.*	Facility Operations Environmental Survey on file at District and ENV. District Spill Response Plan was updated on August 1, 2016. There were no reportable spills. Employee training completed during the reporting period (number of participants in parentheses) includes the following: Field ENV Emergency Compliance (1), 404 Compliance During Construction (1), Storm Water Env Req During Con (1), Haz Materials Awareness Trng (18).
MCM 8 *- Industrial and High Risk Runoff*	*N/A - The District owns, operates, and maintains the roadways and MS4s within it's ROW.*	No industrial or high risk facilities within TxDOT ROW.
MCM 9 *- Construction Site Runoff*	*Compliance with CGP; Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.*	No NOIs or CSNs submitted for the MS4 area during the reporting period. A total of 8 construction site inspections were completed on two projects within the Phase I area. No discharges to the MS4 indentified from projects outside ROW that may have inadequate water quality measures or controls.
MCM 10 *- Public Education*	*Flyers and Brochures; or impacts of illegal dumping and littering; or distribute materials to local schools; and Education of Construction Site Personnel; and Adopt-A-Highway Program.*	No pre-construction meetings for projects within the MS4 were held during the reporting period. A total of 19 groups currently participating in TxDOT's Adopt-A-Highway program.
MCM 11 *- Monitoring and Screening*	*The District will report on dry weather screening program under MCM 6. Rely on City of Corpus Christi for wet weather and floatables.The District does not operate or have regulatory authority over any Industrial Type 1 or 2 facilities.*	Co-permittee (City of Corpus Christi) provided reporting information on monitoring for wet weather and floatables to TCEQ. Co-permittee provided monitoring for industrial and high risk runoff.
Enforcement Actions		
None taken during the reporting period.		

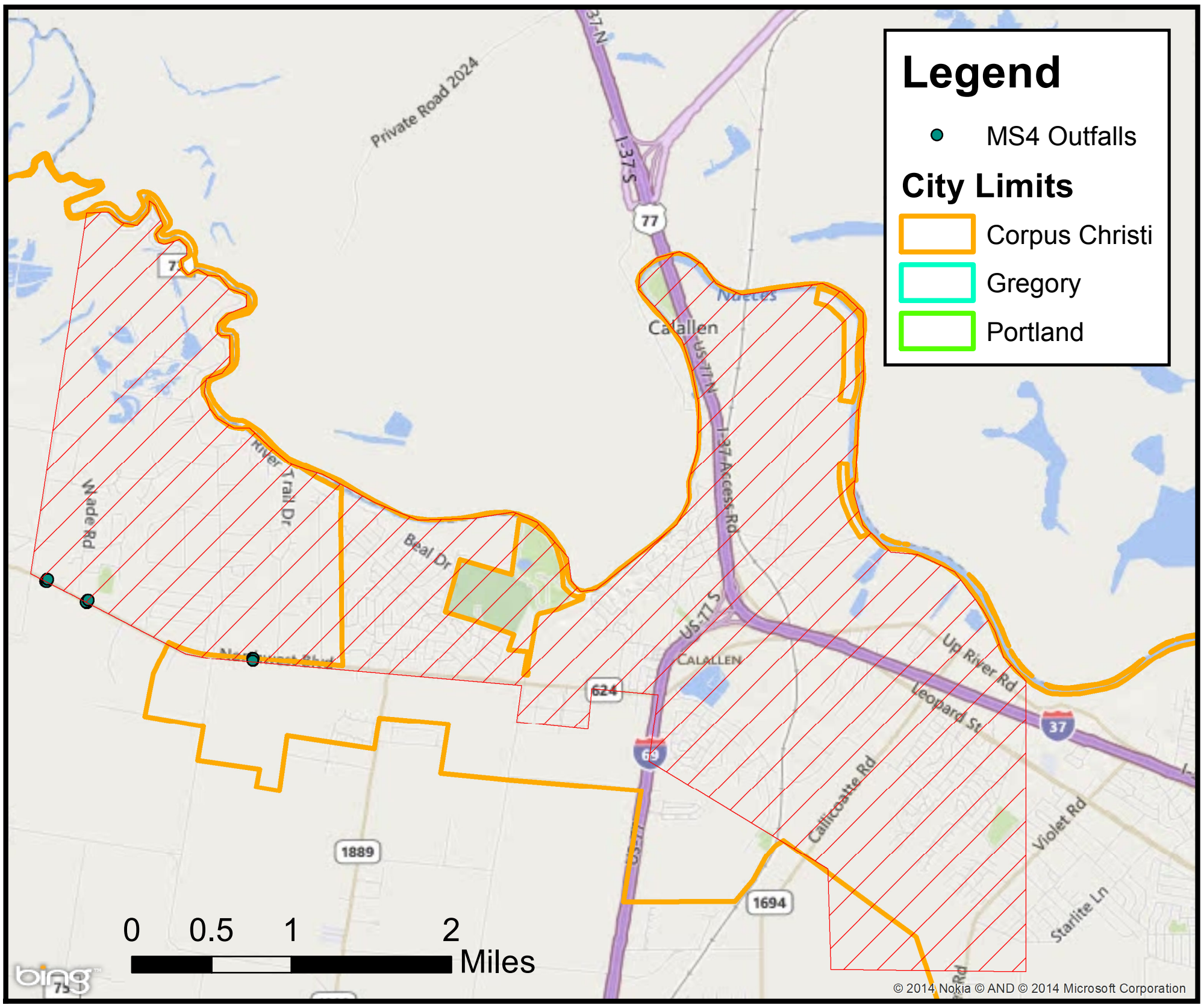
Phase II Report Information - August 13, 2016 to November 30, 2016

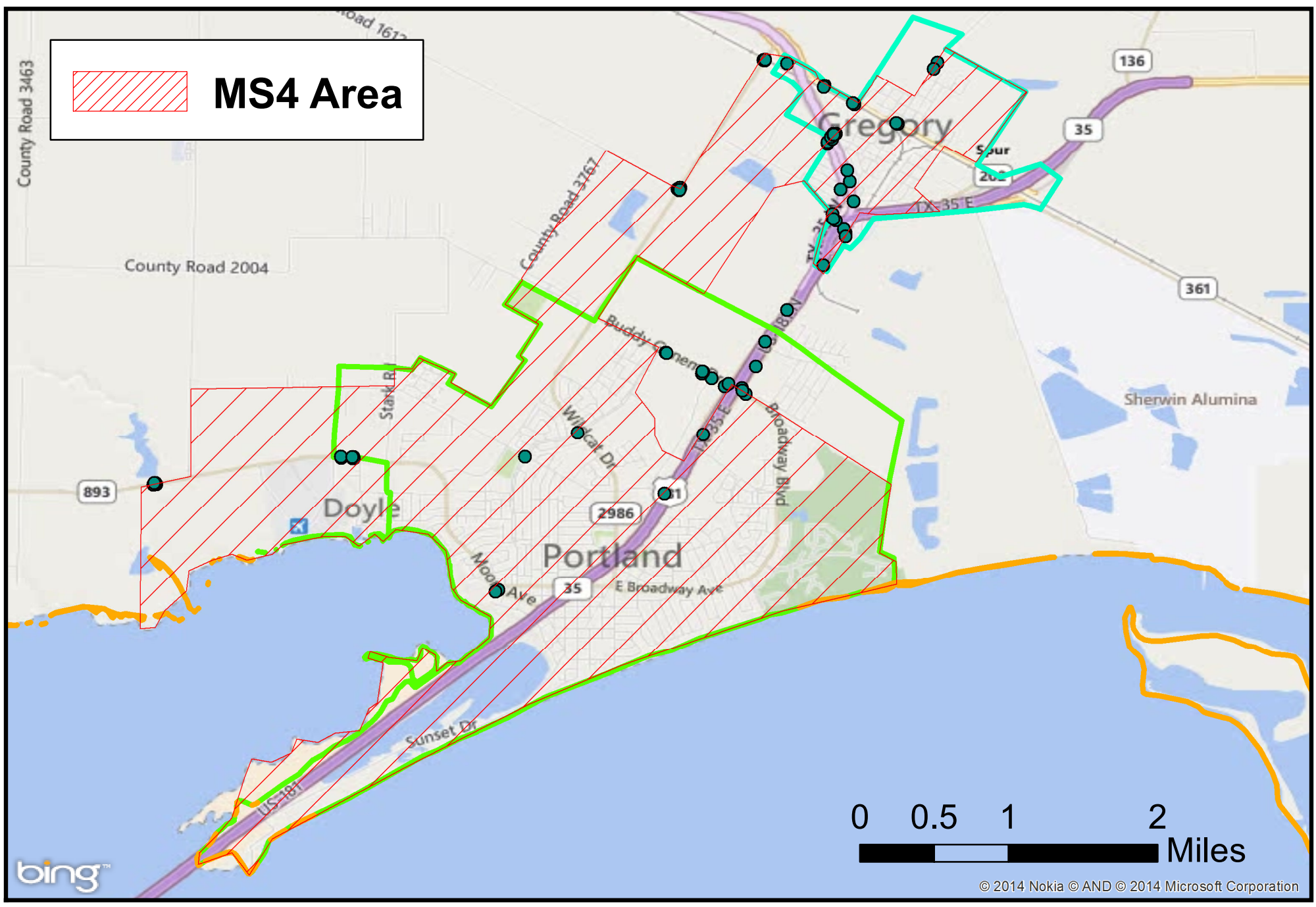
(Last Annual Report Covered August 13, 2015 to August 12, 2016)

Minimum Control Measure (MC	Best Management Practice (BMP)	Reporting
MCM 1 *- Public Education and Outreach*	*Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel); Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)*	No public meetings, events or materials requested within the Phase II area.
MCM 2 *- Public Involvement and Participation*	*Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.*	No roadways adopted for Apopt-A-Highway program within the Phase II area.
MCM 3 *- Illicit Discharge Detection and Elimination*	*Develop Storm Sewer Outfall Inventory Map; Update Storm Sewer Outfall Inventory Map; MS4 Outfall Screening (Dry Weather Screening of Outfalls)*	Stormwater Outfall Inventory on file at District and ENV. No new or relocated outfalls.
MCM 4 *- Construction Site Storm Water Runoff Control*	*Compliance with the CGP, Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.*	No pre-construction meetings held for projects within the Phase II area. No NOIs or CSNs submitted. No discharges to the MS4 indentified from projects outside ROW that may have inadequate water quality measures or controls.
MCM 5 *- Post-Construction Storm Water Management in Areas of New Development or Redevelopment*	*Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc.); Determine the need for storm water structural controls in areas of new development and redevelopment.*	No roadway construction projects occured within the Phase II area. Three mowing cycles are completed each year within TxDOT Corpus Christi District. One mowing cycle occurred during the month of November 2016.

MCM 6 *- Pollution Prevention and Good Housekeeping for Municipal Operations*	*Facility Inspections, Employee training, Disposal of Waste, Inspection of Structural Controls for sand and ice rock storage areas.*	Facility Operations Environmental Advisory Survey on file at District and ENV. No facilities within MS4 area that contain sand and ice rock storage areas. Approximately 750 cubic feet of litter and debris was removed from roadways by litter collection and/or street sweeping. Employee training completed during the reporting period (number of participants in parentheses) includes the following: Field ENV Emergency Compliance (1), 404 Compliance During Construction (1), Storm Water Env Req During Con (1), Haz Materials Awareness Trng (18).

MS4 Phase II Outfall Inventory Map





Corpus Christi District
MS4 Phase II Outfall Inventory

OUTFALL ID	LATITUDE	LONGITUDE	COUNTY NAME	OUTFALL NUMBER	LOCATION DESCRIPTION	OUTFALL SHAPE	MATERIAL TYPE
191260	27.86491515000	-97.68846771000	Nueces	CRP_NU_00004	N side of FM0624_ 390 feet E of CO RD 73A	Natural	Earthen
191263	27.86665553000	-97.69274374000	Nueces	CRP_NU_00007	S side of FM0624_ 680 feet E of CO RD 75	Natural	Earthen
191268	27.85929698000	-97.67160798000	Nueces	CRP_NU_00012	S side of FM0624_ 0.50 mile E of CO RD 73	Natural	Earthen
191266	27.86466432000	-97.68855931000	Nueces	CRP_NU_00010	S side of FM0624_ 600 feet E of CO RD 73A	Natural	Earthen
191258	27.85957933000	-97.67162174000	Nueces	CRP_NU_00002	N side of FM0624_ 0.49 mile E of County RD 73	Circular	Concrete
191264	27.86660220000	-97.69264723000	Nueces	CRP_NU_00008	S side of FM0624_ 690 feet E of CORD 75	Natural	Earthen
191257	27.85955199000	-97.67156228000	Nueces	CRP_NU_00001	N side of FM0624_ 0.5 mile E of County RD 73	Natural	Earthen
191265	27.86472119000	-97.68861673000	Nueces	CRP_NU_00009	S side of FM0624_ 590 E of CO RD 73A	Natural	Earthen
191259	27.86489123000	-97.68841187000	Nueces	CRP_NU_00003	N side of FM0624_ 400 feet E of CO RD 73A	Natural	Earthen
191262	27.86684233000	-97.69258938000	Nueces	CRP_NU_00006	N side of FM0624_ 590 feet E of CO RD 75	Natural	Earthen
191261	27.86681644000	-97.69253198000	Nueces	CRP_NU_00005	N side of FM0624_ 600 feet E of CO RD 75	Natural	Earthen
191267	27.85931972000	-97.67165253000	Nueces	CRP_NU_00011	S side of FM0624_ 0.49 mile E of CO RD 73	Natural	Earthen
174806	27.92135283000	-97.29851830000	San Patricio	0101-04-OF-005457	WEST SIDE OF US HIGHWAY 181 25 FEET SOUTH OF NORTH AVENUE		C
174807	27.92512956000	-97.29592003000	San Patricio	0180-11-OF-005458	S SIDE OF STATE HWY 202 1000 FT EAST OF FARM TO MARKET 2986		C
174691	27.89701327000	-97.30644187000	San Patricio	0101-04-OF-005536	EAST SIDE OF US HIGHWAY 181 15 FEET NORTH OF FM 3239		C
191275	27.89077382000	-97.34465890000	San Patricio	CRP_SP_00007	S side of FM 893_ 0.25 mile W of Stark Rd	Natural	Earthen
191296	27.91260725000	-97.29677941000	San Patricio	CRP_SP_00027	E side of US 181_825 feet S of Sunset	Natural	Earthen
191314	27.90101268000	-97.31418624000	San Patricio	CRP_SP_00045	N side of FM 3239 _460 feet E of Memorial Pkwy	Circular	Corrugated Metal
191321	27.89775574000	-97.30851220000	San Patricio	CRP_SP_00052	S side of FM 3239 _ 30 feet W of US 181	Circular	Concrete
191324	27.89760125000	-97.30680773000	San Patricio	CRP_SP_00055	E side of US 181 _ 100 Feet N of FM 3239	Circular	Concrete
191286	27.92942469000	-97.30463720000	San Patricio	CRP_SP_00018	E side of FM 2986_ 0.16 mile S of SH 181	Natural	Earthen
174804	27.89090713000	-97.32791538000	San Patricio	3026-01-OF-005455	WEST SIDE OF MEMORIAL 15 FEET SOUTH OF LANG		C
174856	27.89323566000	-97.32279447000	San Patricio	3026-01-OF-005505	W SIDE OF FARM TO MARKET 2986 10 FT N OF MEMORIAL PARKWAY		RC
191269	27.88827417000	-97.36372770000	San Patricio	CRP_SP_00001	S side of FM 893_1.75 mile E of CO RD 75	Natural	Earthen
191272	27.88839477000	-97.36378118000	San Patricio	CRP_SP_00004	N side of FM 893_ 1.75 mile E of CO RD 75	Natural	Rip Rap
191289	27.92148934000	-97.29850358000	San Patricio	CRP_SP_00021	W side of US_ 181 890 feet N of Childress	Unknown	Concrete
191292	27.91409366000	-97.29802586000	San Patricio	CRP_SP_00024	W side of Hwy 35_ 800 feet S of Sunset	Box	Concrete
191298	27.91765493000	-97.29636832000	San Patricio	CRP_SP_00029	W side of US 181_500 feet S of Childress Rd	Unknown	Concrete
191305	27.92231827000	-97.29795381000	San Patricio	CRP_SP_00036	E side of US 181 _35 feet N of Polk	Circular	Concrete
191312	27.92327030000	-97.29169577000	San Patricio	CRP_SP_00043	E side of FM 3284 _15 feet N of SL 202	Unknown	Concrete
191320	27.89852095000	-97.30977625000	San Patricio	CRP_SP_00051	S side of FM 3239 _ 15 feet E of Cedar Dr	Circular	Concrete
174800	27.91693641000	-97.31287009000	San Patricio	3026-01-OF-005451	EAST SIDE OF FARM TO MARKET 2986 5 FEET NORTH 0F 1612		C
174801	27.91703894000	-97.31278824000	San Patricio	3026-01-OF-005452	EAST SIDE OF FARM TO MARKET 2986 10 FEET NORTH OF 1612		E
174690	27.89801571000	-97.30813735000	San Patricio	3340-01-OF-005535	WEST SIDE OF US HIGHWAY 181 15 FEET NORTH OF FM 3239		C
191278	27.89087448000	-97.34456532000	San Patricio	CRP_SP_00010	N side of FM 893_ 0.24 mile W of Stark Rd	Natural	Earthen
191282	27.91701316000	-97.31289293000	San Patricio	CRP_SP_00014	E side of FM 2986_ N of CO RD 1612	Natural	Earthen
191287	27.92948810000	-97.30472666000	San Patricio	CRP_SP_00019	W side of FM 2986_0.15 mile S of SH 181	Natural	Earthen
191300	27.92178041000	-97.29808857000	San Patricio	CRP_SP_00031	US 181 median_150 feet W of Franklin	Unknown	Concrete
191301	27.92197716000	-97.29820959000	San Patricio	CRP_SP_00032	US 181 median_200 feet W of Polk	Unknown	Concrete
191302	27.92229547000	-97.29771755000	San Patricio	CRP_SP_00033	E side of US 181 _5 feet E of Polk	Natural	Earthen
191311	27.92334322000	-97.29186226000	San Patricio	CRP_SP_00042	W side of FM 3284_ 10 feet N of SL 202	Unknown	Concrete
191318	27.89913244000	-97.31059597000	San Patricio	CRP_SP_00049	N side of FM 3239 _900 feet W of US 181	Natural	Earthen
191276	27.89077218000	-97.34450637000	San Patricio	CRP_SP_00008	S side of FM 893_ 0.24 mile W of Stark Rd	Natural	Earthen
191273	27.89081605000	-97.34574791000	San Patricio	CRP_SP_00005	S side of FM 893_ 0.34 mile W of Stark Rd	Natural	Earthen
191274	27.89091750000	-97.34577243000	San Patricio	CRP_SP_00006	N side of FM 893_ 0.34 mile W of Stark Rd	Natural	Earthen
191280	27.87796067000	-97.33049095000	San Patricio	CRP_SP_00012	N side of FM 893_ 250 feet E of W Broadway	Circular	Concrete

Corpus Christi District
MS4 Phase II Outfall Inventory

OUTFALL ID	LATITUDE	LONGITUDE	COUNTY NAME	OUTFALL NUMBER	LOCATION DESCRIPTION	OUTFALL SHAPE	MATERIAL TYPE
191284	27.91692811000	-97.31308295000	San Patricio	CRP_SP_00016	W side of FM 2986_ S of CO RD 1612	Natural	Earthen
191295	27.91294674000	-97.29693698000	San Patricio	CRP_SP_00061	W side of US 181_750 feet S of Sunset	Natural	Earthen
191303	27.92225807000	-97.29781563000	San Patricio	CRP_SP_00034	E side of US 181 _5 feet N of Polk	Circular	Concrete
191316	27.89906226000	-97.31067110000	San Patricio	CRP_SP_00047	S side of FM 3239 _900 feet W of US 181	Circular	Concrete
191317	27.89897428000	-97.31070219000	San Patricio	CRP_SP_00048	S side of FM 3239 _900 feet W of US 181	Natural	Earthen
191328	27.90211182000	-97.30459346000	San Patricio	CRP_SP_00059	US 181 median _ .30 mile N of FM 3239	Circular	Concrete
191290	27.91686027000	-97.29725633000	San Patricio	CRP_SP_00022	W side of US_ 181 15 feet N of Stewart St	Unknown	Concrete
191329	27.89309983000	-97.31058384000	San Patricio	CRP_SP_00060	US 181 median _ .30 mile S of FM 3239	Circular	Concrete
174805	27.92219169000	-97.29794231000	San Patricio	0101-04-OF-005456	EAST SIDE OF US HIGHWAY 181 280 FEET NORTH OF NORTH AVENUE		C
191279	27.87780678000	-97.33078351000	San Patricio	CRP_SP_00011	S side of FM 893_ 250 feet E of W Broadway	Circular	Concrete
191285	27.92951033000	-97.30458148000	San Patricio	CRP_SP_00017	E side of FM 2986_ 0.15 mile S of SH 181	Natural	Earthen
191291	27.91451071000	-97.29804777000	San Patricio	CRP_SP_00023	W side of Hwy 35 feeder _700 feet S of Sunset	Circular	Concrete
191313	27.90104009000	-97.31424312000	San Patricio	CRP_SP_00044	N side of FM 3239 _450 feet E of Memorial Pkwy	Natural	Earthen
191326	27.90949158000	-97.29892216000	San Patricio	CRP_SP_00057	E side of US 181 _ .34 mile S of Hwy 35	Circular	Concrete
191327	27.90514813000	-97.30245360000	San Patricio	CRP_SP_00058	W side of US 181 _ 1 mile S of Hwy 35	Circular	Concrete
174798	27.91677307000	-97.31291774000	San Patricio	3026-01-OF-005449	EAST SIDE OF FARM TO MARKET 2986 10 FEET SOUTH OF 1612		E
174809	27.91256019000	-97.29676879000	San Patricio	0180-06-OF-005460	EAST SIDE OF INTERSTATE HIGHWAY 35 920 FEET SOUTH OF SUNSET RD		E
191283	27.91689215000	-97.31296381000	San Patricio	CRP_SP_00015	E side of FM 2986_ S of CO RD 1612	Natural	Earthen
191294	27.91296256000	-97.29693260000	San Patricio	CRP_SP_00026	W side of US 181_700 feet S of Sunset	Circular	Concrete
191299	27.91872894000	-97.29658485000	San Patricio	CRP_SP_00030	E side of US 181_25 feet S of Childress Rd	Unknown	Concrete
191304	27.92223520000	-97.29790381000	San Patricio	CRP_SP_00035	E side of US 181_ 10 feet N of Polk	Circular	Concrete
191307	27.92696822000	-97.29882634000	San Patricio	CRP_SP_00038	N side of SL 202 _800 feet E of US 181	Trapezoid	Concrete
191322	27.88738225000	-97.31434310000	San Patricio	CRP_SP_00053	W side of US 181 _ 50 feet N of Lang Rd	Circular	Concrete
191281	27.91703456000	-97.31286604000	San Patricio	CRP_SP_00013	E side of FM 2986_ N of CO RD 1612	Natural	Earthen
174810	27.91383188000	-97.29769717000	San Patricio	0180-06-OF-005461	WEST SIDE OF US HIGHWAY 181 675 FEET SOUTH OF SUNSET ROAD		C
191288	27.92914053000	-97.30244421000	San Patricio	CRP_SP_00020	SW side of US 181_550 feet S of FM 2986	Natural	Earthen
191297	27.91570918000	-97.29596819000	San Patricio	CRP_SP_00028	E side of US 181_50 feet N of Sunset	Unknown	Concrete
191306	27.92680203000	-97.29890003000	San Patricio	CRP_SP_00037	S side of SL 202 _500 feet E of US 181 N of RR Track	Unknown	Concrete
191308	27.92525382000	-97.29607800000	San Patricio	CRP_SP_00039	S side of SL 202 _180 feet W of 6th Street	Box	Concrete
191309	27.92923323000	-97.28782283000	San Patricio	CRP_SP_00040	E side of FM 3284 _0.75 mile N of SL 202	Natural	Earthen
191319	27.89917489000	-97.31066487000	San Patricio	CRP_SP_00050	N side of FM 3239 _920 feet W of US 181	Natural	Earthen
174808	27.91229701000	-97.29676523000	San Patricio	0180-06-OF-005459	EAST SIDE OF INTERSTATE HWY 35 1000 FEET SOUTH OF SUNSET RD		E
174799	27.91682939000	-97.31290386000	San Patricio	3026-01-OF-005450	EAST SIDE FARM TO MARKET 2986 5 FEET SOUTH OF 1612		C
191270	27.88824040000	-97.36400931000	San Patricio	CRP_SP_00002	S side of FM 893_ 1.745 mile E of CO RD 75	Natural	Earthen
191277	27.89087805000	-97.34466384000	San Patricio	CRP_SP_00009	N side of FM 893_ 0.25 mile W of Stark Rd	Natural	Earthen
191293	27.91401776000	-97.29795197000	San Patricio	CRP_SP_00025	W side of Hwy 35_ 700 feet S of Sunset	Trapezoid	Earthen
191323	27.89735855000	-97.30679726000	San Patricio	CRP_SP_00054	E side of US 181 _ 20 feet N of FM 3239	Circular	Concrete
191271	27.88836948000	-97.36390325000	San Patricio	CRP_SP_00003	N side of FM 893_ 1.745 mile E of CO RD 75	Circular	Corrugated Metal
191310	27.92861752000	-97.28820885000	San Patricio	CRP_SP_00041	E side of FM 3284 _450 feet N of 9th St	Circular	Concrete
191315	27.90100624000	-97.31416915000	San Patricio	CRP_SP_00046	N side of FM 3239_ 470 feet E of Memorial Pkwy	Natural	Earthen
191325	27.89969111000	-97.30546043000	San Patricio	CRP_SP_00056	E side of US 181 _ .25 mile N of FM 3239	Circular	Concrete



N

0 2.5 5 Miles

Storm Water Management MS4 Boundaries

Corpus Christi District

Texas Department of Transportation

Dallas District

1. Introduction

1.1. Background

On April 27, 2012, the Texas Commission on Environmental Quality (TCEQ) issued Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004521000 (Permit) to the Texas Department of Transportation – Dallas District (District). This Permit authorized the District to discharge from its Municipal Separate Storm Sewer System (MS4). The MS4 is located throughout Dallas, Denton, Collin, Rockwall, Ellis, Kaufman and Navarro counties to various ditches and tributaries leading to designated stream segments known as waters of the United States.

In accordance with Part III of the Permit, the District prepared and implemented a comprehensive Stormwater Management Plan (SWMP), which includes pollution prevention measures, pollutant removal techniques, stormwater monitoring, use of legal authority and other appropriate means to control the quality of stormwater discharged from the MS4 to the maximum extent practicable (MEP).

The District has prepared this Semi-Annual Report as required by Part IV.C. of the Permit. This Semi-Annual Report reflects the activities and accomplishments performed during the reporting period from September 1, 2016 thru November 30, 2016.

TxDOT has been issued a new Statewide MS4 Permit, No. WQ0005011000. The existing Permit, No. WQ0004521000 expired November 30, 2016 upon issuance of the Statewide Permit. Activities for September thru November 2016 are under Permit No. WQ0004521000 and are included within this permit Year 6 Semi-Annual Report.

1.2. Permit Renewal Activities

The Texas Department of Transportation was issued a new Statewide MS4 Permit, No. WQ0005011000, on November 30, 2016. All subsequent Annual Reports will be submitted according to the requirements set forth in the new permit.

1.3. Changes to the SWMP

TxDOT is currently updating its Statewide MS4 SWMP. When the Final Statewide MS4 SWMP has been approved by TCEQ it will be incorporated by reference in future annual reports.

2. MS4 Maintenance Activities

2.1. Structural Controls

The design of MS4 structural controls is addressed in the TxDOT Hydraulic Design Manual (March 2009). Erosion control and the maintenance of erosion controls are also addressed in the manual. Other MS4 maintenance considerations are covered in the Maintenance Management Manual (January 2009) and Maintenance Operations Manual (September 2005).

The operation and maintenance of MS4 structural controls are the responsibility of the District's Maintenance Sections. Currently, area engineers and maintenance section supervisors, along with District staff, develop yearly Maintenance Plans. The Maintenance Plans identify specific tasks for upkeep of the TxDOT roadway system. These plans, budgetary in nature, are used for planning and scheduling the resources necessary to maintain the roadways and associated infrastructure. The task descriptions and associated function codes are used for planning and implementation and are also used in accounting. District expenditures incurred through implementation of the compliance objectives of this permit are addressed throughout the annual report as function costs.

The District currently has two separate operations and maintenance (O&M) contracts for the maintenance of its system of structural control devices. These contracts include (1) cleaning and reshaping ditches and channels and (2) storm sewer and inlet cleaning. O&M activities are scheduled based on historical records management and inspection results, which ensures the most effective operation of structural controls. Between September 1, 2016 and November 30, 2016, the District spent $280,685.11 on the maintenance of structural controls due to a Culvert and Storm Drain Maintenance program. Table 2.1 below indicates expenditures for the reporting period.

Table 2.1

Function Code	Description	Cost
561	Cleaning Ditches	$116,638.12
562	Ditch Reshaping	$61,055.09
570	Culvert and Storm Drain Maintenance	$84,738.65
620	Bridge Channel Maintenance	$18,253.25
	Total Cost	**$280,685.11**

Outfalls are another important structural control and have additional requirements set forth in the permit; notably, that all outfalls must be inspected at least once during the permit term. TxDOT has developed a custom software application known as the Advanced Outfall Tracking System (AOTS) to address this permit requirement. The AOTS provides tools that are used by inspectors to describe the condition of the outfall being inspected and to include digital photographs of the outfall. All of this information is then uploaded into a database which can then be used to generate reports identifying which outfalls may need O&M.

TxDOT regularly evaluates structural controls to determine overall efficacy and effectiveness. Studies conducted by the Center for Transportation Research, University of Texas-Austin (CTR UT) have shown that grassed swales "have consistently high removal efficiencies" and should be used for "controlling and treating stormwater runoff." (See CTR UT, Project No. 0-4605, *Pollutant Removal of Vegetated Highway Shoulders*, October 2005.) As a result of this and other science based studies, the District continues to rely on grassed swales wherever possible to reduce the volume of runoff and concentration of potential pollutants.

In accordance with Part IV.C.3 of the Permit, the assessment of controls was deemed adequate and did not require revision.

A structural control retrofit study was conducted during the permit Year 2009-2010. The purpose of the study was to identify potential structural control improvements, which would enhance stormwater runoff quality and to forward these for consideration as a pilot study or research project. During the study, a retrofit feasibility evaluation was performed for nineteen (19) separate structural controls within the District. Thus far, no structural control has been identified as suitable for further study.

2.2. Floatables

2.2.1. Adopt-a-Highway

TxDOT has implemented a successful statewide program to reduce the discharge of floatables (litter and other human generated solid refuse) into its MS4. This program is the Adopt-a-Highway program (AAH). The AAH program implements litter pickup to reduce floatables to the MS4. Table 2.2.1 below lists the results of the annual Trash Off program held within the District by volunteers of the AAH Program.

Table 2.2.1				
AAH Trash-Off Campaign Results for Permit Year 6				
Volunteer Group Name	**County**	**City**	**Bags**	**Participants**
Corsicana HS JR ROTC	Navarro	Corsicana	9	12
CJ Tree Experts	Navarro	Blooming Grove	3	5
Coyote Commemorative Air Force	Navarro	Corsicana	40	15
First Baptist Church	Navarro	Blooming Grove	22	30
Sam P Cochran Masonic Lodge 1335	NW Dallas	Dallas	11	10
Volunteers of Lankford Ave	SE Dallas	Dallas	12	15
TMU Volleyball	Denton	Denton	15	10
Family and Friends of Ryan White	Denton	Denton	3	2
Family and Friends of Ryan White	Denton	Denton	5	3
American Legion Post 182	Denton	Little Elm	22	10
Cope Family	Denton	Justin	18	2
Byron Nelson FFA	Denton	Denton	15	10
Members of Grand CRU Book Club	Denton	Ponder	19	10
Knights of Columbus Council 4771	Denton	Denton	30	8
Forney HS Student Council	Kaufman	Forney	27	20
Knights of Columbus Council 13133	Kaufman	Kaufman	25	9
Crandall HS Gold Dusters	Kaufman	Crandall	27	6
United Churches of Rosser	Kaufman	Rosser	6	1
North Forney HS	Kaufman	Forney	31	20

Table 2.2.1				
AAH Trash-Off Campaign Results for Permit Year 6				
Boy Scout Troop 1857	Kaufman	Forney	12	15
Crandall Bank Boosters	Kaufman	Crandall	25	11
Friends of Mark Russo	Kaufman	Rockwall	1	1
Ridgeview Church	Kaufman	Rockwall	25	10
Knights of Columbus 12300	Collin	Terrel	4	5
North Texas Municipal Water Dist	Collin	Melissa	105	20
Guitar Lessons Wylie Tx	Collin	Wylie	8	10
BBWCDM NYG Fan Club	Collin	McKinney	10	8
VT SEVA	Collin	Plano	12	17
First Apostolic Church of Anna	Collin	Anna	10	6
Friends of 52BEST	NE Dallas	Dallas	12	9
Central Baptist Church of Italy	NE Dallas	Italy	9	9
Fellowship of Freethought	NE Dallas	Dallas	7	7
Islamic Association of North Tx	NE Dallas	Richardson	14	13
Sassie’s Sisterhood Social Club	NE Dallas	Dallas	2	10
Brown Street Church of Christ	Ellis County	Waxahachie	10	15
Central Baptist Church of Italy, Tx	Ellis County	Italy	9	9
Central Baptist Church of Italy, Tx	Ellis County	Italy	8	8
Grace Lutheran Church	Ellis County	Ennis	6	10
Andrea Walton State Farm Midlothian	Ellis County	Midlothian	5	10

Table 2.2.1				
AAH Trash-Off Campaign Results for Permit Year 6				
Ram City Ryderz	Ellis County	Kaufman	8	10
Andrea Walton Red Oak	Ellis County	Red Oak	7	10
Southwestern Assemblies of God University	Ellis County	Waxahachie	2	28
Ennis High School National Honor Society	Ellis County	Ennis	10	10
Avalon School FFA	Ellis County	Avalon	12	12
United Churches of Rosser	Kaufman County	Rosser	5	1
Central Baptist Church of Italy, Tx	NE Dallas County	Italy	8	8

2.2.2. Litter Pickup

In addition to past successes noted above for the AAH program, the District maintenance sections performed Litter Control and Spot Litter Control on approximately 3,505 acres, which cost $188,613.03 to collect. The District collected debris along 8,344 linear miles from September thru November 2016, which cost $480,614.54 as indicated in Table 2.2.2.

Table 2.2.2				
Function Code	**Description**	**Cost**	**Volume**	**Units**
521	Litter Removal	$182,464.29	3,475	Acres
523	Debris Removal	$480,614.54	8,344	Miles
524	Spot Litter	$6,148.74	30	Acres
	Total Cost	**$669,227.57**		

2.2.3. Source Control and Monitoring

Between September 1 and November 30, 2016, the District spent approximately $671,673.44 on litter control and debris removal activities as indicated below.

Table 2.2.3			
Function Code	**Description**	**Volume**	**Cost**
521	Litter Removal	3,475 Acres	$182,464.29
523	Debris Removal	8,344 Miles	$480,614.54
524	Spot Litter	30 Acres	$6,148.74
525	Adopt-a-Highway	96 Hours	$2,255.94
527	Hand Sweeping	0 Square Yards	$189.93
		Total Cost	**$671,673.44**

2.3. Roadways

The use of effective best management practices (BMP) enables TxDOT to operate and maintain its highways, equipment yards and material storage/maintenance facilities in a manner that consistently minimizes the discharge of potential pollutants. In addition to these BMPs, TxDOT has implemented a number of additional programs with the purpose of minimizing potential pollutant discharge. District-specific controls were developed and are implemented in accordance with the Permit. District-specific roadway related controls are addressed in Appendix I under MCM 4 (Post-Construction Stormwater Management in New Development and Redevelopment) and MCM 5 (Pollution Prevention and Good Housekeeping for Transportation Operations).

2.3.1. Mowing and Vegetative Management

TxDOT's extensive use of vegetated filter strips has established mowing and vegetation management as important parts of the maintenance program. To ensure these non-structural controls continue to operate at peak efficiency, careful attention is paid to these maintenance activities. Expenditures for mowing and spot mowing the District ROW amounted to $308,289.27 between September 1, 2016 and November 30, 2016. TxDOT spent $482,841.75 on mowing and vegetative BMP activities. Table 2.3.1 indicates expenditures for the permit reporting period.

Table 2.3.1		
Function Code	**Description**	**Cost**
511	ROW Mowing	$295,963.51
513	Spot Mowing	$12,325.76
551	Landscape Maintenance	$47,021.46
552	Tree and Brush Control	$127,531.02
	Total Cost	**$482,841.75**

2.3.2. Sanding and Deicing Activities

Removal of snow and ice from the roadway is classified as an emergency operation and takes precedence over all other work to ensure public safety. The preferred method of maintaining a safe roadway during icy conditions is through the use of sand without salt. Only during the most severe conditions are other measures used. Since 2007, TxDOT has utilized more environmentally friendly deicing agents. Meltdown 20™ and calcium magnesium acetate (CMA) are now being used in place of salts for severe conditions. During and after the icy conditions, inspections are conducted to ensure proper cleanup operations minimize potential pollutant discharge from the District MS4.

Between the months of September and November 2016, the District spent zero on Snow and Ice Response as indicated below in Table 2.3.2.

Table 2.3.2

Function Code	Description	Cost
811	Snow and Ice Response	$0
	Total Cost	**$0**

2.3.3. Roadway Maintenance

TxDOT utilizes two manuals to conduct maintenance; the Maintenance Management Manual (January 2009) and the Maintenance Operations Manual (September 2005). Both manuals provide guidance on how the District addresses permit requirements and resultant stormwater quality. The more recent Hydraulic Design Manual (March 2009), addresses stormwater management, erosion control and maintenance of control measures.

TxDOT public roadway maintenance contracts are designed to reduce the discharge of potential pollutants into the District MS4 and are performed at variable frequencies during the year based on the amount of debris generated on particular highway segments. While the maintenance department performs many functions not specifically designed to address stormwater quality, those that do are addressed throughout this report. One significant maintenance activity that affects stormwater runoff quality is routine street and hand sweeping. Street sweeping is normally done once or twice per year, but on elevated sections it is done more often and/or on an as-needed basis.

In addition to street and hand sweeping, other roadway maintenance activities affect stormwater runoff quality. Table 2.3.3 below indicates expenditures for permit Year 6.

Table 2.3.3		
Function Code	**Description**	**Cost**
455	Reshaping Unpaved Shoulders	$13,307.25
522	Mechanical Sweeping	$228,914.45
527	Hand Sweeping	$189.93
561	Cleaning Ditches	$116,638.12
562	Ditch Reshaping	$61,055.09
563	Slope Repair/Stabilization	$18,277.64
	Total Cost	**$438,382.48**

2.3.4. Material Storage/Stockpiles

TxDOT has implemented a program of inspection at each District/Section maintenance facility once every two years, with an objective to note hazards within the workplace that may contribute to employee accidents or violate state and federal regulations (including water quality). An important component of this program addresses material storage and stockpiles to ensure they comply with state and federal regulations and have no harmful effect on local water quality.

2.3.5. Disposal Practices

The District uses a combination of programs to take care of ROW trash and debris. Roadway debris is collected by contractors and TxDOT employees. District crews take debris to their maintenance facility where designated storage areas have been set aside for the collected debris. Storage areas for non-metal items are either open bins contained by concrete barriers or large roll-off bins. Metals are recycled under a district wide contract while non-metallic trash and contractor-collected debris is taken to a landfill for disposal.

In Dallas County, the debris pick up is covered under a bundle bid. Elsewhere in the District, traditional debris removal purchase orders are used. ROW trash is disposed of through litter and trash removal Purchase Orders. When needed, spot litter control contracts are used to supplement these efforts. Spot litter materials are taken directly to a landfill for disposal.

TxDOT maintenance facilities and buildings are policed regularly, and the collected debris may or may not be recycled depending on the facility and material. Most of the collected debris is wind-swept trash and is placed in trash receptacles upon collection. This material is taken to the landfill for disposal. TxDOT office facilities collect and separate waste into recyclable and non-recyclable waste streams. These materials are stored in covered dumpsters.

Dumpsters are normally emptied twice per week in an appropriate landfill. The district continues to implement a single-stream recycling program, which includes paper, cardboard, plastic and metals.

2.3.6. Spill Response

It is not uncommon for TxDOT to discover or be notified of hazardous material spills on its ROW. TxDOT has an emergency response plan and "Interagency Cooperation Contract" in place with TCEQ regarding cleanup of oil and hazardous material spills throughout the state. Implementation of the contract is accomplished through the TxDOT Headquarters Maintenance Division and TCEQ "Spill Response Unit." The District also retains Emergency Response Contractors to assist with cleanups anytime they are needed in the District. For additional information and cost related to the District spill prevention and response program, refer to Section 4.8 of this report.

2.3.7. Bridge, Heavy Equipment and Building Paint Removals

Bridge paint removal projects are closely monitored to ensure potentially hazardous materials do not adversely affect the environment. Prior to any paint removal, testing is performed to determine paint constituents. Once testing is complete, abatement and removal activities are performed in accordance with all federal and state regulations to ensure no adverse impacts on local water quality occur.

2.3.8. Other Maintenance Considerations

TxDOT has experienced an increase in the number of requests to temporarily use the ROW for investigation and remediation of leaking petroleum storage tanks (LPSTs). Applicants are either private property owners or public entities. With cooperation from the TCEQ, TxDOT has successfully implemented an agreement process with LPST site owners and contractors. Applicants are required to follow an abbreviated planning and design process for the investigation and remediation stages, which has substantially reduced disturbances within the ROW during all stages of the work.

2.3.9. Storm Sewer Systems and Drainage Ditch Cleaning

In addition to the normal operations and activities associated with the cleaning of structural control devices, all TxDOT maintenance contractors are now required to complete an inspection of the work area (control device) and submit a written report addressing potential illicit or discolored discharges. Any suspicious discharge seen on the ROW is reported to the District Maintenance Environmental Office for further investigation.

Between September and November 2016, TxDOT spent $280,685.11 cleaning and reshaping ditches, cleaning channels and cleaning storm sewers and inlets; see Table 2.3.9.

Table 2.3.9

Function Code	Description	Cost
561	Cleaning Ditches	$116,638.12
562	Ditch Reshaping	$61,055.09
570	Culvert and Storm Drain Maintenance	$84,738.65
620	Bridge Channel Maintenance	$18,253.25
	Total Cost	**$280,685.11**

3. Post-Construction Stormwater Control Measures

3.1. Areas of New Development and Significant Redevelopment

TxDOT has a formalized and well defined planning process for the development of all transportation projects. Water quality and stormwater management issues are important components of this planning process and are addressed during the identification of potential project alternatives. Later in the transportation planning process, TxDOT follows the environmental review process outlined by the National Environmental Policy Act of 1969 and Federal Highway Administration rules (23 CFR 771). If the project is not federally funded, TxDOT follows the state equivalent (43 TAC Chapter 51) to the federal processes.

As a result of National Pollutant Discharge Elimination Systems (NPDES) requirements and TPDES requirements, TxDOT has developed a program to address water quality issues in the early stages of project development and throughout construction of each project. The program was developed by the Environmental Affairs Division of TxDOT as a guidance manual, *Stormwater Planning and Design Guidelines for New Development and Significant Redevelopment.* The program has been incorporated into each project development lifecycle and provides guidance on appropriate levels of mitigation to minimize potential impacts to water quality resulting from highway runoff. The goals of selected controls must include:

- New development - limiting increases in the discharge of potential pollutants in stormwater as a result of development.
- Redevelopment - reducing the discharge of potential pollutants in stormwater.

TxDOT lacks the legal authority to prohibit or control discharges of stormwater from developed areas outside of or adjacent to its ROW. Discharges to the District MS4 from adjacent areas that may cause erosion or other water quality issues are identified during illicit discharge detection survey activities and through the District Road Runner program. At its option, the District may approach the discharger to resolve the concerns or may install additional controls within the ROW to address the issue. New controls will comply with TxDOT policy and guidance as necessary.

TxDOT policy requires all new and redevelopment projects to include permanent controls which are appropriate for the project and local water quality. The linear nature of highway projects, combined with the limited ROW, require the use of non-structural controls when they have been identified as adequate.

TxDOT post-construction design practices address velocity, erosion and pollutant reduction. In the study cited in Section 2.1, vegetative filter strips enable infiltration and evapotranspiration of runoff from highways based on moderate retention and velocity dissipation. Reducing velocity results in limiting erosion and potential pollutant discharge. All TxDOT ROW with earthen surfaces are vegetated and maintained in accordance with specifications in the *Roadside Vegetation Management Manual*.

TxDOT standard operating procedure (SOP) also requires revegetation of the ROW when a spill has either destroyed or led to the removal of vegetated areas.

In addition to the *Stormwater Management Guidelines for Construction Activities*, TxDOT's Bridge Division's Hydraulic Manual has established procedures for development of highway drainage facilities. It contains current engineering design criteria, discharge estimates, structure requirements and constraints for the hydraulic design or analysis of highway drainage systems. The manual also addresses stormwater management, erosion control, pollution prevention, quantity management and runoff quality.

District-specific controls were developed and are implemented in accordance with the Permit. The District-specific structural controls are addressed in Appendix I under MCM 4 (Post-Construction Stormwater Management in New Development and Redevelopment).

3.2. Flood Control

The District does not construct flood management projects. Flood control devices are not considered a management measure and are omitted from the SWMP. If the District does propose to construct a flood control project, the SWMP will be updated with applicable control measures for flood control projects and TCEQ will be notified of the change.

4. Illicit Discharge Detection and Elimination

4.1. Illicit and Allowable Discharges

Non-stormwater discharges to the MS4 are prohibited, except where noted otherwise in the permit. The following discharges need not be addressed as illicit discharges by TxDOT nor be prohibited from entering the MS4:

- Discharges regulated by a separate NPDES or TPDES permit;
- Discharges for which an NPDES or TPDES permit application has been submitted; and
- Other non-stormwater discharges that are not prohibited by TxDOT in the SWMP. The SWMP must identify any categories of non-stormwater discharges that are not prohibited from being discharged into the MS4 in accordance TPDES permit conditions.

Non-stormwater discharges the District exempts from the prohibition on non-stormwater entering the MS4 include:

- Water line flushing;
- Landscape irrigation;
- Diverted stream flows;
- Rising ground waters;
- Uncontaminated ground water infiltration;
- Uncontaminated pumped ground water;
- Discharges form potable water sources;
- Foundation drains;
- Air conditioning condensation;
- Irrigation water;
- Springs;
- Water from crawl space pumps;
- Footing drains;
- Lawn watering;
- Street wash water;
- Individual residential vehicle washing;
- Wash waters using only potable water which are similar in quality and character to street wash water or individual residential vehicle washing but without the use of detergents or surfactants;
- Flows from riparian habitats and wetlands;
- De-chlorinated swimming pool discharges;
- Other allowable non-stormwater discharges listed in 40 CFR 122.26(d)(2)(iv)(B)(1); and

- Other allowable non-stormwater discharges as listed in the TPDES Construction General Permit No. TXR150000 and TPDES Multi-Sector General Permit No. TXR050000, as well as other similar occasional incidental non-stormwater discharges, unless the TCEQ develops permits or regulations addressing these discharges.

4.2. Detection and Elimination of Illicit Discharges, including the Status of Complying with New Requirements

The District's SWMP requirements include development and implementation of programs for overflows and infiltration, floatables, hazardous waste and used motor vehicle fluids. District-specific illicit discharge related controls are addressed in Section 7, Illicit Discharges and Improper Disposal section of the current SWMP.

4.2.1. Illicit Discharge and Improper Disposal

The District's SWMP requirements include development and implementation of programs for overflows and infiltration, floatables, hazardous waste and used motor vehicle fluids. District-specific illicit discharge related controls are addressed in Section 7, Illicit Discharges and Improper Disposal section of the current SWMP.

4.2.2. Non-Stormwater Discharges

Non-stormwater discharges to the MS4 are prohibited, except where noted otherwise in the Permit.

The District maintains a complement of 36 Road Runner employees, whose responsibilities are to monitor an assigned section of roadway for all possible maintenance needs, one of which requires observance for any discharges that may occur within the ROW. The Road Runner crews follow the District adopted *Illicit Discharge Detection and Elimination Program Dry Weather Screening Procedures,* August 2006. In addition to the Road Runner crews, a large portion of the District's 350 plus personnel perform this function in one way or another during their daily duties.

4.3. Overflows and Infiltration

The District neither owns nor operates any municipal sanitary sewer lines within its ROW, or regulates this activity within its ROW. If a sanitary sewer discharges into the District MS4, the District will notify the sewer owner and request they provide TxDOT with a description of the corrective measures to be taken, along with an implementation schedule. If either of the measures and/or schedule is deemed unacceptable, or if the owner cannot be located, the case will be referred to TCEQ for

enforcement. In accordance with the Permit, all illicit discharges are reported to TCEQ as part of the District's Annual Report. During the permit year, there were no reportable events.

To minimize potential sanitary sewer overflows by systems operated by others, TxDOT requires any plans for sanitary sewer construction in TxDOT ROW to be sealed by a professional engineer and that watertight rings and bolt-down covers are utilized. On a case-by-case basis, TxDOT also requires the sanitary sewer be encased in flowable fill or steel casing, which provides additional security from damage and/or leakage.

4.4. Hazardous Waste and Used Motor Vehicle Fluids

The District has implemented programs to collect used motor vehicle fluids (including, at a minimum, oil and antifreeze) at all of its facilities for recycle, reuse or proper disposal. The District also collects hazardous waste materials (including paint, solvents, pesticides, herbicides and other hazardous materials) for recycle, reuse or proper disposal. During the months of September thru November 2016, 100% of all used motor oils were recycled.

4.5. MS4 Screening and Illicit Discharge Inspections

No outfall inspections were recorded between the months of September thru November, 2016. TxDOT expects to complete 100% of inspections in the MS4 system under the new Statewide MS4 Stormwater Permit No. WQ0005011000. In 2011, the District implemented a program to locate and eliminate potential illicit discharges and improper disposal into the MS4 and ROW. More than 1,900 outfalls were inspected in 2011. In FY 2014, District staff worked closely with TCEQ staff to develop and compile an application for a new statewide MS4 permit. This included developing a new Statewide SWMP. The new Statewide Permit was issued November 30, 2016.

4.6. NPDES and TPDES Permittee List

The District encompasses an area of 5,480 square miles and the current list of dischargers issued an NPDES or TPDES permit that possibly discharge directly or indirectly to the District MS4 includes a large number of entities. The most current NPDES and TPDES Permittee List are included in Appendix F. The District will continue to update the list and report those permittees that appropriately notify the District of their discharge during each reporting year.

4.7. MS4 Map, Including the Status of Complying with New Requirements

Exhibit 1 includes the MS4 maps, while Appendix I establishes the Status of Complying with New Requirements.

4.8. Spill Prevention and Response

The District has an SOP (No. 15-04) for preventing and containing spills. The District Environmental Office is responsible for implementing these procedures, should they be required. When the responsible party of a spill can be identified, the District will work with that party to address cleanup. When the responsible party cannot be identified, or will not take appropriate actions, the District will rely upon an emergency response company with whom it has contracted for cleanup.

Between September 1, and November 30, 2016, the District emergency response contractors cleaned up spills and/or illegally disposed of materials on the ROW. Table 4.8 below lists all response incidents for the above dates.

Table 4.8

Protect Environmental Services, Inc.

Date	Location	Type	Cost	Responsible Party
09/02/16	I-20 and Camp Wisdom, Duncanville	Blood Spill	$3,159.14	Unknown
09/09/16	920 S. Walton Walker Blvd, Dallas	Oil spill – 3 drums impacted absorbent	$6,084.75	Anani, LLC
9/15/16	I-20 and US 175, Balch Springs	Oil spill – 3 drums impacted absorbent	$5,243.18	XPO Logistics/Lonestar Milk Transport
10/07/16	I-35 and WB 635, Dallas	Diesel spill – 10 yards diesel imp. Soil & 7 drums diesel impacted absorbent	$11,747.38	Unknown
10/10/16	I-35N and Woodall Rogers, Dallas	Blood spill – 4 boxes blood imp absorbent	$6,085.55	Unknown
10/25/16	N. Central Expressway & US 75, Dallas	Diesel spill – 11 drums imp. Absorbents & 20 yards diesel impacted soil	$22,925.23	Unknown

Cleaning Guys

Date	Location	Type	Cost	Responsible Party
10/20/16	South Watson Road, Grand Prairie	300 gallons waste water contaminate with pig feces; one 55 gallon absorbent	$224	Unknown
11/8/16	R.L. Thornton Freeway, Dallas	20 yard roll off of diesel impacted soil; 175 gallons of diesel contaminated waste water	$859.75	Unknown
11/20/16	1530 North Walton Blvd, Dallas	25 yard roll off with diesel contaminated soil	$176.95	Unknown

11/30/16	1410 Loomis Avenue, Dallas	55 gallon drum of diesel/absorbent	$190.00	Unknown
Allied International Emergency				
Date	**Location**	**Type**	**Cost**	**Responsible Party**
9/18/16	SH 175 & 2nd Ave. Dallas	Drum of absorbent and impacted soil with motor oil.	$20,583.93	Unknown
9/26/16	Melissa TX	15 yrds of soil impacted oil.	$10,739.82	Unknown
10/7/16	FM 148, Kemp, TX	30 yrds of impacted soil and debris	$11,438.42	Unknown
11/7/16	I30 & Peak St. Dallas	55 gallon drums with soil impacted with diesel fuel	$4,680.95	Unknown
		TOTAL	***$104,139.05***	

In addition to the incidents noted above, the District may incur additional expense for emergency spill related activities. When the District has to incur costs for emergency response, it is accounted for as an overhead item by the Maintenance Section that is responsible for the area in which the incident occurred. During the months of September thru November 2016, no money was spent on the Function Codes described below. Table 4.8a below indicates expenditures for permit Year 6.

Table 4.8a

Function Code	Description	Cost
520	Illegal Dumpsite Removal and Disposal	$0
830	Hazardous Materials Cleanup – Spills or Leaking Storage Tanks	$0
	Total Cost	**$0**

5. Pollution Prevention and Good Housekeeping for TxDOT Operations

5.1. Pollution Prevention and Good Housekeeping Program

The Pollution Prevention and Good Housekeeping Program consist of BMPs that focus on training and the prevention or reduction of pollutants in runoff from transportation operations that occur within TxDOT regulated area.

TxDOT has existing good housekeeping measures and non-structural BMPs that reduce the discharge of pollutants from the following transportation operations, which include:

- Street, road or highway maintenance;
- Fleet and building maintenance;
- Stormwater system maintenance;
- New construction and land disturbances;
- Vehicle and equipment maintenance and storage yards; and
- Salt/sand storage locations.

The SWMP further addresses Pollution Prevention and Good Housekeeping measures TxDOT takes to minimize pollutant discharge, including Mowing and Vegetation Management for Street, Road or Highway Maintenance, Storm Sewer System and Drainage Ditch Cleaning, New Construction and Land Disturbances, Material Storage at Maintenance Facilities and Stockpiled Materials.

5.2. Waste Handling

TxDOT best manages the removal of waste products threatening water quality on the ROW by:

- Checking the EPA list of hazardous chemical names, if known. EPA also provides a list of sources that generate hazardous waste and should be checked;
- Understanding the process of identification and disposal;
- Testing the waste for hazardous characteristics; and
- By removing the subject material from the ROW as quickly as possible to avoid potential migration and further contamination.

The discharge or disposal of used motor vehicle fluids and household hazardous wastes and the intentional disposal of collected quantities of grass clippings, leaf litter and animal wastes into the MS4 is prohibited.

TxDOT ensures all hazardous waste, used motor vehicle fluids and other waste used by TxDOT employees are disposed of in accordance with applicable regulations and are not exposed to stormwater run-off.

In addition, TxDOT has a recycling program that is in effect as part of its overall waste reduction effort. Since there are no residents within the TxDOT MS4 or ROW, TxDOT does not operate a household collection program. However, TxDOT does

support, publicize and promote related programs to its employees. When contacted by the public, TxDOT will provide them with the best available information on a service in their community and/or area. As a BMP, TxDOT has outsourced a large percentage of general auto repairs, including oil changes.

Dredge spoils, accumulated sediment and floatables removed from the MS4 will be stockpiled or disposed of in a local landfill or upland locations as necessary.

5.3. Pesticide, Herbicide and Fertilizer Application

TxDOT landscape architects or vegetation specialists continually review application rates of herbicides to determine the minimum amount of product that will achieve the desired result. The determination of application rates are based on the condition of the ROW, types of vegetative plants involved and other environmental conditions. TxDOT landscape architects or vegetation specialists are also responsible for the training and certification of all TxDOT employees assigned to this duty. Between the months of September 1 and November 30, 2016, there were 35 employees certified in herbicide application. All herbicide related equipment is inspected and calibrated each year before the season begins. Table 5.3 below indicates expenditures for permit Year 6.

Table 5.3

Function Code	Description	Cost
540	Hand Vegetation	$18,197.43
541	Chemical Vegetation Control, Edges	$53,382.93
545	Chemical Vegetation Control, Basal Application	$19,075.39
548	Seeding	$506.05
	Total Cost	**$91,161.80**

Employee Training - Pesticides, Herbicides and Fertilizers	
1	Number of pesticide applicator classes administered by the Vegetation Maintenance Section during the permit year
35	Licensed applicators within the District

5.4. List of TxDOT Facilities

TxDOT does not own or operate facilities subject to the TCEQ Industrial Stormwater Multi-Sector General Permit (MSGP). There are no TxDOT activities that are subject to the TCEQ MSGP. Within the permitted boundary, TxDOT does not operate or maintain the following types of operations: park and open space; waste transfer stations; composting facilities; hazardous waste disposal facilities; hazardous waste handling and transfer facilities; incinerators; landfills; schools, libraries, police stations, fire stations and office buildings; parking lots; golf courses; swimming pools; recycling facilities; or solid waste handling and transfer facilities.

TxDOT will develop and maintain a list of TxDOT owned non-road facilities within the regulated area. These facilities may include equipment storage and maintenance facilities, fuel storage facilities, materials storage facilities, salt storage facilities, street repair and maintenance sites, vehicle storage and maintenance yards, rest areas and/or structural stormwater controls.

TxDOT offices located within the District are listed in Table 5.4.

Table 5.4

TxDOT Office	Physical Address
Dallas District Headquarters	4777 E. Highway 80, Mesquite, TX, 75150-6643
Navarro County	100 SW County Rd. 1000, Corsicana, TX, 75110
Ellis County	2000 S. Kaufman, Ennis, TX, 75119
West Dallas North	12000 Greenville Ave., Dallas TX, 75243
East Dallas South - Hutchins	505 Interstate 45 South, Hutchins, TX, 75141
Denton County	2624 W. Prairie, Denton, TX, 76201
Kaufman County	2750 S. Washington, Kaufman, TX 75142-3647
Collin County	2205 S. State Hwy. 5, McKinney, TX 75069
Ellis County	124 FM 876, Waxahachie, TX 75167
West Dallas South – Cedar Hill	1424 High Meadows Way, Cedar Hill, TX 75104
Central Maintenance	7825 South Central Expressway, Dallas, TX 75216
Rockwall County	901 E. IH 30, Rockwall, TX 75087

6. Construction Site Stormwater Runoff

TxDOT implements a program to reduce the discharge of pollutants into the MS4 from construction sites. The program includes:

- Requirements for the use and maintenance of appropriate structural and nonstructural control measures to reduce pollutants discharged to the MS4 from construction sites;
- Inspection of construction sites and enforcement of control measures;
- Appropriate education and training measures for construction site operators; and
- Notification, as appropriate, to construction site operators of their potential responsibilities under the NPDES/TPDES permitting program for construction site runoff.

6.1. Requirements for Structural and Non-Structural BMPs

Construction activities resulting in a land disturbance of one or more acres or that are part of a larger common plan of development that will disturb one or more acres, must comply with the TCEQ Construction General Permit (CGP) No. TXR150000. However, TxDOT's policy is to implement activity-appropriate BMPs for any soil disturbing activity where a potential for stormwater discharges exists, regardless of the type of activity or acreage disturbed. If required by the CGP, sites will incorporate a Stormwater Pollution Prevention Plan (SW3P), including adequate sediment and erosion controls. The SW3P will also contain measures to control discarded building materials, concrete truck washout water, chemicals and litter and sanitary waste generated at each construction site. As a District policy, all TxDOT SW3Ps are reviewed and approved before construction activities commence.

During the months of September thru November 2016, there were a total of 12 new construction projects. Of these projects, 10 were one or more acres in size and 8 projects had an NOI. TxDOT has a formal review process which applies to all construction projects. One part of this review requires identification of adequate erosion control measures for the project. Between September and November of 2016, 100% of all construction projects that occurred during the permit year were reviewed. The table below depicts expenditure estimates for activities associated with this effort.

Table 6.1

Activity	Cost
NOI Expenses for September 1 thru November 30, 2016	$1,800
SW3P Bid Items acquired for projects	$1,030,022 for 12 projects

On all construction projects, appropriate erosion control measures are installed to limit the possibility of erosion at the site. During the months of September thru November 2016, TxDOT installed about 12,500 linear feet of erosion control logs, 17,000 linear feet of silt fence, and 5,000 linear feet of rock filter dams. It is estimated

that it required a total of 632 hours of labor to install these devices (see table below). It is also estimated that it requires a minimum equivalent effort to adequately maintain these devices. Because of the nature of the work and the accounting system, precise hours cannot be obtained.

Table 6.1a		
Sediment and Erosion Control Item	**Linear Feet Purchased**	**Installation Hours***
Erosion Control Logs	12,500	125
Silt Fence	17,000	340
Rock Filter Dams	5,000	167

**1 hour of labor is required to install 100 feet of erosion control log*

**1 hour of labor is required to install 50 feet of silt fence*

**1 hour of labor is required to install 30 fee of rock filter dams*

6.2. Inspection of Construction Sites and Enforcement Requirements

As noted previously, TxDOT has no authority to regulate any activity occurring outside of its ROW. The statutes of the State of Texas grant TxDOT authority to control activities occurring within the ROW and to construct, maintain and operate a drainage system for State Highways to accommodate stormwater runoff, which originates within the ROW. TxDOT contracts with others for the construction of these systems; therefore, contracting practices and language are the primary mechanism for control and enforcement.

The District employs a comprehensive construction inspection program ensuring compliance with the permit. The District has implemented a policy of seven (7) day inspection reporting by TxDOT personnel for each project that has a SW3P. If a deficiency is found the contractor is given seven (7) days to correct the deficiencies that were cited on the inspection report, and a follow-up inspection is performed. This is an iterative process which ensures 100% compliance. TxDOT inspectors evaluate all installed stormwater control measures specified in the SW3P.

In addition to the above project related inspections, the District performs an annual SW3P audit of projects and, where necessary, conducts follow-up inspections to ensure compliance. District audits are conducted on a random basis. Of the 10 construction projects which had an SW3P in this permit year, 100% were audited. The District audit includes the District Environmental Quality Coordinator inspecting all of the ongoing projects for the District, completion of inspection forms and developing and submitting a comprehensive summary of findings to the Area Engineer. Ultimately, the overall District SW3P audit findings are linked to the Area Engineer’s Performance Evaluation.

6.3. Education and Training for Construction Site Operators

Prior to initiation of construction, the contractor will meet with the TxDOT Area Engineer in a Pre-construction meeting to discuss stormwater issues for the construction site. TxDOT will ensure contractors are aware of SW3P practices and policies as well as emphasize the need for compliance. As a policy, the District delivers all operators educational materials and posts materials on all project boards at construction site entrances. In addition to contractor education, TxDOT personnel have been specifically trained to understand issues which directly affect the operation and maintenance of erosion and sediment control devices and other aspects of construction activities. Table 6.3 below indicates specific training in these areas for permit Year 6.

Training Code	Name of Class	Total # of Attendees
ENV 470	SPCC Regulatory Compliance at TxDOT Facilities	0
CON 816	Construction Stage Gate Checklist	1
CON 817	Completing the Stormwater Inspection Checklist	1
ENV 103	Storm Water Pollution Prevention Plans	1
ENV 300	Stormwater Erosion & Sediment Control Day 1	0
ENV 301	Stormwater Erosion & Sediment Control Day 2	0
ENV 405	Field ENV Emergency Compliance	2
ENV 414	EMS Awareness Training/EMS Orientation	3
ENV 432	CGP Compliance and Enforcement	1
ENV 433	Stormwater Environmental Regulations During Construction	4
ENV 457	404 Compliance During Construction	2

6.4. Notification of Requirements to Construction Site Operators

At all Pre-construction meetings, the District notifies site operators of their TPDES permitting responsibilities associated with construction activities. This was accomplished for all projects during the permit year and including September 1 thru November 30, 2016.

6.5. List of Construction Sites

Appendix F indicates the number and location of construction sites within the MS4 area.

6.6. Status of Complying with New Requirements (e.g. site plan review of projects that are one or more acre in size)

To comply with new requirements, TxDOT requests all projects have an SW3P and reviewed 100% of all site plans during the reporting year.

7. Public Education, Outreach, Involvement and Participation

TxDOT is an active participant with several organizations and campaigns promoting public education and outreach relating to environmental education. Examples of organizations include but are not limited to: Keep Texas Beautiful, "Don't Mess with Texas" campaign, Texas Recycles Day and Earth Day. The following websites provide examples of current activity:

SmartScape
http://www.txsmartscape.com/

NCTCOG Public Education Resources
http://www.nctcog.org/envir/SEEclean/stormwater/program-areas/public_education/index.asp

The Stormwater Public Education Taskforce
http://www.nctcog.org/envir/SEEclean/stormwater/meetings/task_force/pubed/index.asp

7.1. Public Education Including the Status of Complying with New Requirements

TxDOT has several programs, publications and forums for educating and involving the public, TxDOT employees and contractors on issues affecting stormwater quality. Elements of the program focus on general public programs (e.g., "Don't Mess With Texas" campaign and "Adopt-a-Highway" program) and interagency education on environmental issues, such as proper handling and application of pesticides and fertilizers, proper handling of used oil and toxic materials and improvement and awareness of construction and maintenance activities.

TxDOT has developed, implements and maintains a comprehensive stormwater education and outreach program. The comprehensive program focuses on educating target audiences about the impacts that illegal discharges (i.e., third-party discharges into the TxDOT MS4 and illicit storm sewer connections) and improper disposal of waste and litter can have on stormwater discharges. TxDOT also provides steps that target audiences can take to reduce pollutants in stormwater runoff.

There are no residences, businesses or commercial and industrial facilities located within TxDOT's ROW/TxDOT regulated area. Therefore, TxDOT targets the non-residential transient users of our roadways. Since non-residential transient users cover such a broad spectrum of society, it is important that TxDOT's educational MCM addresses as many people as possible with a high level of comprehension.

TxDOT has determined that the following audiences are high-priority statewide targets:

- TxDOT employees.
- General traveling public.
- Construction site personnel.

Given the above audiences, TxDOT will implement an educational BMP and participation/involvement BMP.

(1) Educational BMP – To address improper disposal of waste, TxDOT will continue to develop and promote the “Don’t Mess with Texas” campaign. The “Don’t Mess with Texas” campaign is one of the best-known public education/outreach programs ever implemented. Its message is very effective and highly recognizable statewide and the campaign itself has received considerable recognition, both nationally and internationally, as an excellent example of public education/outreach. TxDOT has recently begun the “Don’t Mess With Texas Water" campaign, developed under House Bill HB-451. This program is implemented through a MOU between TCEQ and TxDOT.

(2) Participation/involvement BMP – To encourage public participation/involvement in minimizing improper waste disposal, TxDOT will continue to develop and sponsor the “Adopt-a-Highway” program. Individuals and/or groups will be encouraged to volunteer for litter collection activities at designated “Adopt-a-Highway” segments. During past permit terms, this program has proven to be highly successful in generating new volunteers and providing cleaner roadway segments. TxDOT provides “Adopt-a-Highway” groups with stormwater related educational materials and the equipment and supplies necessary to clean their adopted segments. In addition, TxDOT places roadway signs advertising the “Adopt-a-Highway” entity responsible for cleaning the subject segment. TxDOT maintains a list of current “Adopt-a-Highway” individuals/groups.

The educational and participation/involvement BMP activities and/or materials utilized to fulfill this control measure will be documented. Records of these activities will be summarized in the annual reports and will be specific enough to describe the message of the educational campaign, the program’s success summary (e.g., reduction of trash, miles of “Adopt-a-Highway” program) and the events or methods utilized to provide the information to the target audience.

7.2. Public Involvement and Participation

TxDOT utilizes public input (for example, the opportunity for public comment or public meetings) in the implementation of the MS4 program through the Transportation Improvement Program or Statewide Transportation Improvement Program. If a public meeting is held, a citizen advisory committee is formed, or a similar public function is established to allow the public an opportunity to participate in transportation development and the associated SWMP implementation. TxDOT will comply with all applicable state and local public notice requirements for the activity.

TxDOT has created opportunities for citizens to participate in the implementation of control measures by the creation of the "Adopt-a-Highway" program. The TxDOT MS4 is located entirely within the ROW of roadways that carry a variable amount of traffic depending on their position relative to population centers. Directly involving the public in MS4-related activities would place those persons in close proximity to traffic. Because of the risks associated with working in close proximity to traffic, TxDOT requires employees that work, observe, or assign others to work in the ROW, work zones and other safety sensitive areas to complete safety training, such as TxDOT's "Focus on Safety" and "Work Zone Traffic Control" courses. Therefore, TxDOT limits the direct public involvement and participation BMP to TxDOT's "Adopt-a-Highway" program.

TxDOT keeps a copy of the Statewide SWMP at the ENV Division in Austin and at each District office for the public to gain access. An electronic copy of the SWMP will also be posted on TxDOT's MS4 website.

7.3. An Evaluation of the Effectiveness of this MCM

TxDOT effectively employs public education and notification methodologies, utilizing Facebook, Twitter, YouTube, Podcast, Flickr and Texas Highways Magazine. In FY 2016, TxDOT spent $196,644.54 advertising dollars on the "Don't Mess With Texas" campaign; however, between the months of September thru November 2016 no monies were spent on advertising.

Table 7.3					
"Don't Mess With Texas" Paid Media					
Spring TV	Summer TV	Outdoor Bulletins	Pumptoppers	Event Marketing	Total Spent
Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016
NA	NA	NA	N/A	N/A	NA

"Don't Mess With Texas" PSA		
LONE STAR RADIO/TSN	LONE STAR RADIO/TSN	Total Spent
Sept. – Nov. 2016	March-Adopt a Highway	Sept. – Nov. 2016
N/A	N/A	N/A

"Don't Mess With Texas" Paid Social Media					
FACEBOOK/ INSTAGRAM	TWITTER	PANDORA RADIO	PREROLL/VIDEO	BANNER/OTHER	Total Spent
Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016
NA	NA	NA	NA	NA	NA

"Don't Mess With Texas" Social Engagements			
	FACEBOOK	INSTAGRAM	TWITTER
	Sept. – Nov. 2016	Sept. – Nov. 2016	Sept. – Nov. 2016
Impressions	629,599	NA	1,701.47
Total Clicks	17,496	NA	646
Click Rate/Engagement Rate	2.779%	0.00%	0.63%
Page Likes/Follows	NA	N/A	NA
Total Actions	NA	NA	NA
Paid Added Value Organic Added Value	N/A N/A	N/A N/A	N/A N/A

8. Monitoring, Evaluation and Reporting

8.1. Dry Weather Screening Program

The District of TxDOT has been working directly with the TCEQ to develop a statewide MS4 permit and applicable SWMP. During this time the District has developed new strategies related to MS4 screening and detection of third-party discharges. TxDOT has implemented a program to locate, map and inspect all outfalls within the District. TxDOT expects to comply with the requirements of the new permits and at a minimum to inspect 100% of the MS4 system by the end of the new issued Statewide Permit term.

8.2. Storm Event Discharge Monitoring Program

Reporting of Storm Event Discharge Monitoring is accomplished by submittal of the North Central Texas Council of Governments' RWWCP.

TPDES permit No. WQ0004521000 requires the District to select one of three wet weather characterization sampling programs. The District has executed an inter-local agreement with the North Central Texas Council of Governments (NCTCOG), to participate in the Dallas-Fort Worth Regional Wet Weather Characterization Program (RWWCP) (Permit Section IV.A.3.).

The NCTCOG RWWCP Plan Proposal for the Third Permit Term, dated 12/2010, was submitted to the TCEQ and was approved on February 11, 2011, this Plan is hereby incorporated by reference. The Regional Storm Water Monitoring Program: Monitoring Program and Quality Assurance Project Plan are also incorporated by reference. Both reports are on file at the District Operations office and can be made available for review upon request.

The District portion of the Regional Stormwater Monitoring Program cost approximately $12,669.75 during the fifth year of the permit.

A new Statewide MS4 Permit, No. WQ0005011000 has been issued to TxDOT from the TCEQ. The new permit does not require implementation of Storm Event Discharge Monitoring.

8.2.1 Participants

Cities of Dallas, Fort Worth, Arlington, Irving, Plano, Garland and Mesquite and two transportation agencies — Texas Department of Transportation-Dallas District and North Texas Tollway Authority participated during the reporting period.

8.2.2 Sampling Details

The regional partners have submitted a new sampling plan to TCEQ for approval. As stated above TxDOT will no longer be participating in this program element.

8.3. Floatables Monitoring

TxDOT's permit requires the implementation of a program to reduce the discharge of floatables (for example, litter and other human generated solid refuse) into the TxDOT MS4. The program primarily includes source controls; however, where necessary structural controls were utilized. To ensure compliance, TxDOT has and will continue to implement a program to reduce the discharge of floatables into the TxDOT MS4, including appropriate controls where necessary.

TxDOT implements statewide programs, including "Don't Mess with Texas," "Adopt-a-Highway" and street sweeping to reduce the discharge of floatables into its statewide MS4. The program primarily uses litter pickup, monitoring and source control to reduce floatables.

TxDOT hires private contractors to perform street sweeping on TxDOT roadways throughout the permitted areas. Most of the street sweeping is vacuum-assisted, which provides the greatest level of particulate recovery. In addition, TxDOT compiles data (i.e., litter weight) from the "Adopt-a-Highway" Program and reports the quantity to TCEQ in annual reports.

TxDOT also tracks annual expenditures for the DMWT program which will be included in the annual reports. For specific data collected, refer to Section 2.2.1.

9. 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 ensure that qualified personnel properly gather and evaluate 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.

12/20/17
Date

JKS, PE
James K. Selman, P.E.
District Engineer
Dallas District

PROGRESS TOWARD IMPLEMENTING REQUIREMENTS IN TMDLS AND I-PLANS AS REQUIRED IN PART III, SECTION C

Implementation Plan for the Seventeen Total Maximum Daily Loads for Bacteria in the Greater Trinity River and Tributaries

BACKGROUND

On May 11, 2011, the Texas Commission on Environmental Quality (TCEQ) adopted *Two Total Maximum Daily Loads for Indicator Bacteria in the Upper Trinity River, Dallas, Texas (*Segment 0805, Assessment Units 0805_03 and 0805_04); the Texas Department of Transportation (TxDOT) maintains four (4) stormwater permits in this area. The Total Maximum Daily Loads (TMDLs) were approved by the U.S. Environmental Protection Agency (EPA) on August 3, 2011. On September 21 of that same year, the TCEQ adopted *Two Total Maximum Daily Loads for Indicator Bacteria in Cottonwood Branch and Grapevine Creek* (Segments 0822A and 0822B, Assessment Units 0822A_02 and 0822B_01). The EPA approved them on May 30, 2012. The TMDLs for the Lower West Fork Trinity River, Segment 0841 and its tributaries, have not yet been adopted by TCEQ or approved by the EPA although process is ongoing and should be completed in 2013.

The attached implementation plan, or I-Plan, describes the steps watershed stakeholders, of which TxDOT is one and the TCEQ will take toward achieving the pollutant reductions identified in the TMDL reports and outlines the schedule for implementation activities. The I-Plan will use an adaptive management approach where measures will be periodically assessed for efficiency and effectiveness. This iterative process of evaluation and adjustment ensures continuing progress toward achieving water quality goals and expresses stakeholder commitment to the process. At annual meetings, the I-Plan's managing body, the Coordination Committee, will assess progress using the schedule of implementation, interim measurable milestones, water quality data and the communication plan included in the attached document. If future assessments find that insufficient progress has been made or that implementation activities have improved water quality, the implementation strategy will be adjusted.

The ultimate goal of the I-Plan is to restore the primary contact recreation use in the 17 bacteria impaired segments in the Project area by reducing concentrations of *Escherichia coli (E.coli)* to levels established in the TMDL(s). Based on the TMDL reports and the technical support document, the following reductions are needed to meet the criteria defined in the state water quality standards:

- For the Upper Trinity TMDL bacteria loading reductions of 44 percent to 67 percent.
- For Cottonwood Creek and Grapevine Branch TMDL bacteria loading reductions of 64 percent to 84 percent.
- For the Lower West Fork Trinity and associated impaired tributaries TMDL bacteria loading reductions of 25 percent to 98 percent.

Many of the implementation strategies in the I-Plan are directed towards reducing bacteria loading from possible point and non-point sources that the TCEQ identified during development of the TMDLs. The activities are intended to achieve the reductions identified in the TMDL reports necessary to comply with established water quality standards. The sources of bacteria include permitted storm sewer sources, dry weather discharges (illicit discharges), sanitary sewer overflows and unregulated sources such as wildlife, unmanaged feral animals and pets.

The implementation strategies in the I-Plan are presented in sections describing the various sources of bacterial pollution identified through stakeholder and TMDL processes. They include a description of activities, identification of the parties responsible for implementing the activities, a schedule for implementation, the goals associated with the activities and a process for tracking, evaluating and reporting progress. A process of implementation, monitoring, analyses, adaptation and review is also outlined in the I-Plan and is intended for regular updates. The I-Plan was developed to provide a pragmatic and scientifically based approach to meet water quality goals within a reasonable timeframe.

ISSUES

TxDOT currently implements best management practices (BMP) to reduce the potential for pollutant discharges related to highway operations and maintenance activities. The established BMP may not be practical for traditional MS4 operations such as those implemented by adjacent municipalities, in that they require different BMP based on a resident population, commercial and industrial operations and other factors such as livestock and pets kept on residential and agricultural properties.

TxDOT IMPLEMENTATION

TxDOT has not been specifically identified, and is not named, as contributing bacteria in the adopted Greater Trinity River Bacterial TMDL; although TxDOT may be included in the TMDL commitments based on the existing and future stormwater permits it maintains.

TxDOT was represented on the following Technical Sub-committee groups:

- Monitoring Coordination.
- Pets, Wildlife and Livestock.
- Stormwater.

TxDOT was also a member of the Coordination Committee to ensure that TxDOT priorities were stated, flexibility during implementation evaluated and proper consideration of social and economic factors as it pertains to transportation were addressed.

Through attendance and participation at Coordination and Sub-committee meetings the regional BMP commitments for TMDL implementation, that were developed, considered the contributions that TxDOT might provide; mainly roosting wildlife on bridges. Through participation on the Technical Committees it was determined that removal under a prescribed BMP was unattainable and roosting wildlife was to be considered a background contribution and would not require specific BMP development.

TxDOT Impacts

Stormwater Implementation Strategies

Existing and future requirements of TxDOT MS4 permits will need to address some important elements of bacteria loading in stormwater, offering an adaptive rather than prescriptive approach to bacteria reduction. Because there is limited data regarding how well such BMPs might reduce bacteria loading, the Coordination Committee identified the evaluation of the effectiveness of stormwater implementation activities as one of the top research priorities. Any research, particularly research relevant to the Greater Trinity area, should be reported and shared with Project stakeholders, so that stakeholders can devise appropriate strategies for integrating structural stormwater BMPs into their activities.

The North Central Texas Council of Governments (NCTCOG) and the Coordination Committee encourages all MS4s within the Project area to participate in the Regional Stormwater Management Program (RSWMP) and continue and expand where necessary, their programs for illicit discharge detection and elimination (IDDE) and to participate in existing IDDE training and education programs through the RSWMP. Stakeholders also encourage the RSWMP's IDDE Task Force to introduce or add bacteria enhancing pollutant detection training and materials with examples from slaughter facilities, pet training/housing, farmers markets, sewage processors, zoos, etc.

The stormwater strategies identified in the I-Plan will need to be addressed in future MS4 permits obtained by TxDOT. These strategies should be evaluated based on the applicability to TxDOT operations and potential for bacteria discharge from identified sources.

Pets, Livestock and Wildlife Implementation Strategies

All municipal MS4s within the bacteria-impaired watersheds are encouraged to evaluate the need for a waterfowl management plan, with a focus on measures to discourage waterfowl feeding rather than population control measures.

This implementation strategy will not affect TxDOT. Other than Feral Hogs, all other wildlife has been considered background concentrations and will not be addressed through specific BMPs.

Monitoring Coordination Implementation Strategies

TxDOT currently participates in the Regional Wet Weather Characterization Program (RWWCP), a NCTCOG-coordinated program for Phase I MS4 regulated entities with stormwater permit requirements to monitor stormwater during wet weather (rainfall) events. NCTCOG assists local entities through a cooperative regional monitoring program designed to meet these requirements. The regional program includes the cities of Dallas, Fort Worth, Arlington, Garland, Irving, Plano, Mesquite; the local districts of the Texas Department of Transportation (TxDOT); and the North Texas Tollway Authority (NTTA). Data is gathered

quarterly and an annual report is provided to participants. The program operates in five-year terms in conjunction with the TPDES permit term.

As long as TxDOT maintains a TCEQ Phase I TPDES permit and continues to participate in the RWWCP, no additional monitoring related to the Bacteria TMDL is required.

Implementation Strategy Evaluation

The attached I-Plan is a multi-year document with numerous implementation strategies intended to reduce bacteria loading in the waterways of the Project area. Given the broad scope of the I-Plan and the difficulties in attributing numeric values to the various bacteria sources, regular review of the implementation strategies is necessary to determine successful results. As such, all implementation strategies will be reevaluated on a regular basis. Current provisions call for each strategy to be reevaluated by its respective subcommittee annually. Any recommendations for changes will then be forwarded to the Coordination Committee, which will also meet annually to assess any proposed changes and edit the I-Plan if necessary, either through modifications, adoptions, or deletions of provisions or even entire strategies. The Coordination Committee may choose at a later date to modify the evaluation schedule for any given implementation strategy.

It is important that TxDOT continues to represent itself on the Coordination Committee and/or Technical Sub-committee to ensure that TxDOT priorities are stated, flexibility during implementation evaluated and proper consideration of social and economic factors as it pertains to transportation are addressed.

Appendix B

IDENTIFICATION OF ANY WATER QUALITY IMPROVEMENTS, DEGRADATIONS AND PROGRESS TOWARD ANY MEASURABLE GOALS OR MEASURED REDUCTION IN POLLUTANTS

This is the most recently approved 2014 Texas Integrated Report Index of Water Quality Impairments presented below.

The following listed stream segments indicate the latest TCEQ 303(d) list of water quality degradation within the permitted area.

SegID: 0805 **Upper Trinity River**
From a point immediately upstream of the confluence of the Cedar Creek Reservoir discharge canal in Henderson/Navarro County to a point immediately upstream of the confluence of Elm Fork Trinity River in Dallas County

Parameter(s)		*Category*	*Carryforward*
bacteria			
0805_03	From the confluence of Fivemile Creek upstream to the confluence of Cedar Creek.	4a	No
0805_04	From confluence of Cedar Creek upstream to confluence of Elm Fork Trinity River	4a	No
Parameter(s)		*Category*	*Carryforward*
dioxin in edible tissue			
0805_01	From confluence of the Cedar Creek Reservoir discharge canal upstream to confluence of Smith Creek.	5a	Yes
0805_02	From confluence of Smith Creek upstream to confluence of Tenmile Creek.	5a	Yes
0805_03	From the confluence of Fivemile Creek upstream to the confluence of Cedar Creek.	5a	Yes
0805_04	From confluence of Cedar Creek upstream to confluence of Elm Fork Trinity River	5a	Yes
0805_06	From confluence of Tenmile Creek upstream to confluence of Fivemile Creek	5a	Yes
Parameter(s)		*Category*	*Carryforward*
PCBs in edible tissue			
0805_01	From confluence of the Cedar Creek Reservoir discharge canal upstream to confluence of Smith Creek.	5a	Yes
0805_02	From confluence of Smith Creek upstream to confluence of Tenmile Creek.	5a	Yes
0805_03	From the confluence of Fivemile Creek upstream to the confluence of Cedar Creek.	5a	Yes
0805_04	From confluence of Cedar Creek upstream to confluence of Elm Fork Trinity River	5a	Yes
0805_06	From confluence of Tenmile Creek upstream to confluence of Fivemile Creek	5a	Yes

SegID: 0819 **East Fork Trinity River**
From the confluence with the Trinity River in Kaufman County to Rockwall-Forney Dam in Kaufman County

Parameter(s)		*Category*	*Year Segment First Listed*
sulfate		**5c**	**2008**
0819_01	Entire segment		
Parameter(s)		*Category*	*Year Segment First Listed*
total dissolved solids		**5c**	**2008**
0819_01	Entire segment		

SegID: 0820B **Rowlett Creek**
Perennial stream from the normal pool elevation of 435.5 feet of Lake Ray Hubbard to the Parker Road crossing

Parameter(s)		*Category*	*Carryforward*
bacteria			
0820B_01	Entire water body	5c	No

SegID: 0821C **Wilson Creek**
From the confluence with Lake Lavon in Collin County up to West FM 455 (NHD RC 12030106000086), just east of Celina, Collin Co., TX.

Parameter(s)		*Category*	*Carryforward*
bacteria			
0821C_01	Entire water body	5c	No

SegID: 0821D **East Fork Trinity River above Lake Lavon**
A portion of the East Fork Trinity River extending from the confluence with Lake Lavon (segment 0821) to the upper end of the water body (NHD RC 12030106000074) in Collin County, Texas.

Parameter(s)		*Category*	*Carryforward*
bacteria			
0821D_01	Entire water body	5c	Yes

SegID: 0822A **Cottonwood Branch**
A 6 mile stretch of Cottonwood Branch running upstream from confluence with Hackberry Creek, to Valley View Road in Dallas County.

Parameter(s)		*Category*	*Carryforward*
bacteria			
0822A_02	A 3. 5 mile stretch of Cottonwood Branch running upstream from approximately 0.5 miles downstream of N. Story Rd. to Valley View Rd, Dallas, Co.	4a	No

SegID: 0822B **Grapevine Creek**
From the confluence with Elm Fork Trinity River in Dallas County upstream to its headwaters west of International Parkway at DFW Airport in Tarrant County

Parameter(s)		*Category*	*Carryforward*
bacteria			
0822B_01	Entire water body	4a	No

SegID: 0826 **Grapevine Lake**
From Grapevine Dam in Tarrant County up to normal pool elevation of 535 feet (impounds Denton Creek)

Parameter(s)		*Category*	*Carryforward*
pH			
0826_07	Upper portion of reservoir east of Marshall Creek Park	5c	No

SegID: 0841 **Lower West Fork Trinity River**
From a point immediately upstream of the confluence of the Elm Fork Trinity River in Dallas County to a point immediately upstream of the confluence of Village Creek in Tarrant County

Parameter(s)		*Category*	*Year Segment First Listed*
dioxin in edible tissue		**5a**	**2010**
0841_01	From confluence of the Elm Fork Trinity River to the confluence with Johnson Creek.		
0841_02	From the confluence with Johnson Creek upstream to the confluence of Village Creek.		

Parameter(s)		*Category*	*Year Segment First Listed*
PCBs in edible tissue		**5a**	**1996**
0841_01	From confluence of the Elm Fork Trinity River to the confluence with Johnson Creek.		
0841_02	From the confluence with Johnson Creek upstream to the confluence of Village Creek.		

SegID: 0841A **Mountain Creek Lake**
From Mountain Creek Lake Dam to the reservoir headwater at the confluence of Mountain and Fish Creeks, in Dallas County (impounds Mountain Creek)

Parameter(s)		*Category*	*Carryforward*
dioxin in edible tissue			
0841A_01	Entire reservoir	4a	Yes

Parameter(s)		*Category*	*Carryforward*
PCBs in edible tissue			
0841A_01	Entire reservoir	4a	No

SegID: 0841F **Cottonwood Creek**
A 6.5 mile stretch of Cottonwood Creek running upstream from approx. 0.1 mi. upstream of Mountain Creek Reservoir in Dallas Co., to SH 360 in, Tarrant Co.

Parameter(s)		*Category*	*Year Segment First Listed*
bacteria		**5a**	**2006**
0841F_01	Entire Segment.		

SegID: 0841K **Fish Creek**
A 15 mile stretch of Fish Creek running upstream from the confluence with Mountain Creek Reservoir in Grand Prairie, Dallas Co., to the upper end of the creek (NHD RC 12030102000107) in Arlington, Tarrant Co.

Parameter(s)		*Category*	*Year Segment First Listed*
bacteria		**5b**	**2006**
0841K_01	From South Belt Line Road (FM 1382) upstream to the upper end of the creek south of West Bardin Road (NHD RC 12030102000107) in Arlington, Tarrant County. From South Belt Line Road (FM 1382) upstream to the upper end of creek south of West Bardin Road.		

SegID: 0841N **Kirby Creek**
Four mile stretch of Kirby Creek running upstream from confluence with Fish Creek in Grand Prairie, Dallas Co., to just upstream of Great Southwest Parkway in Arlington, Tarrant Co.

Parameter(s)	*Category*	*Year Segment First Listed*
bacteria	**5b**	**2006**
0841N_01 Entire segment		

SegID: 0841V **Crockett Branch**
A 1 mile (1.5 KM) stretch of Crockett Branch extending upstream from the confluence with Cottonwood Creek to the upper end of the creek (NHD RC 12030102044745)

Parameter(s)	*Category*	*Year Segment First Listed*
bacteria	**5c**	**2010**
0841V_01 Entire Segment.		

MONTHLY EXPENDITURES FOR SEPTEMBER THRU NOVEMBER 2016

TxDOT provides adequate funds, staff, equipment and support capabilities to implement its activities under the SWMPs. TxDOT spends program funding on litter removal, street sweeping, spot litter pick-up, "Adopt-a-Highway" programs, vegetation control, ditch maintenance, culvert and storm drain maintenance, stormwater pump station maintenance and channel maintenance. The cost of TxDOT environmental and stormwater training classes are charged to the overhead accounts of each section trained and are not specifically tracked for stormwater costs. Public involvement and education programs are mostly funded by TxDOT's administration in Austin, Texas. In addition, some minor funding for employees has come out of the overhead of the district's Advance Transportation Planning section. All funding for stormwater maintenance costs, administration, training and public involvement and education originates with the Texas Legislature and is allocated by this legislature to the department.

Stormwater related function code expenditures for the Year 6 reporting period are given below. The expenditures are related to Maintenance Department activities on the ROW. Emergency response cleanup costs are normally billed back to either 1) the applicable District Sections as overhead or 2) as damage claims billed back to the responsible party. In either case, these costs do not show up in the analysis of function codes. The emergency response cleanup costs, not addressed in the function codes, amounted to $104,139.05 for the months of September 2016 thru November 2016.

Table 1				
Function Code	**Description**	**Volume**	**Units**	**Total Cost**
455	Reshaping Unpaved Shoulders	13,740	LFT	$13,307.25
511	ROW Mowing	3702	Acres	$295,963.51
513	Spot Mowing	67	Hours	$12,325.76
520	Illegal Dumping Clean up	0	Cubic Yards	$0
521	Litter Removal	3,475	Acres	$182,464.29
522	Mechanical Sweeping	2,161	Centerline Miles	$228,914.45
523	Debris Removal	8,344	Miles	$480,614.54
524	Spot Litter	30	Acres	$6,148.74
525	Adopt-a-Highway	96	Hours	$2,255.94
527	Hand Sweeping	0	Square Yards	$189.93
540	Hand Vegetation Control	155	Hours	$18,197.43
541	Chemical Vegetation Control, Edges	87	Acres	$53,382.93
545	Chemical Vegetation Control, Basal Application	301	Hours	$19,075.39
548	Seeding	0	Square Yards	$506.05
551	Landscape Maintenance	10	Acres	$47,021.46
552	Tree and Brush Control	390	Centerline Miles	$127,531.02
561	Cleaning Ditches	2,218	Cubic Yards	$116,638.12
562	Ditch Reshaping	1,625	LFT	$61,055.09
563	Slope Repair/Stabilization	37,085	Square Yards	$18,277.64
570	Culvert and Storm Drain Maintenance	243	Each	$84,738.65
620	Bridge Channel Maintenance	90	Cubic Yards	$18,253.25
811	Snow and Ice Response	0	Hours	$0
830	Hazard Material Clean Up, Spills or Leaking Storage Tanks	0	Hours	$0
			Grand Total	**$1,786,671.51**

Appendix D

PROPOSED BUDGET FOR THE UPCOMING REPORTING YEAR

A majority of stormwater related activities addressed in the FY 2016 maintenance plan/ budget are not expected to change significantly. Based on the FY 2016 Municipal Separate Storm Sewer System Annual Report, the District expects to spend approximately $10 million for stormwater related items and activities during the next reporting year.

WHAT REVISIONS, IF NECESSARY, WERE MADE TO THE ASSESSMENTS OF CONTROLS AND THE FISCAL ANALYSIS REPORTED IN THE PERMIT APPLICATION OR THE MOST RECENT ANNUAL REPORT?

No revisions to the assessment of controls or fiscal analysis provided in the latest permit application have been made or reported at this time. The current permit was issued on April 27, 2012. A new Statewide MS4 Stormwater Permit, No. WQ0005011000 was issued to TxDOT on November 30, 2016 from TCEQ. Subsequent annual reports will be submitted as a Statewide Report.

Report Prepared 9/13/2016

*September 2016 Letting

CSJ	DESIGNER	COUNTY	HIGHWAY	PROJECT LENGTH	LIMITS	TYPE OF WORK	ESTIMATE	BID	+ / - %	ESTIMATED TOTAL PROJECT COSTS***	CONTRACTOR	# WKNG DAYS
0009-12-216 CM 2017(081)	CORTEZ	ROCKWALL	IH 30	14.993	DALLAS COUNTY LINE TO HUNT COUNTY LINE	INSTALLATION OF WIRELESS ITS	1,355,949.00	1,105,995.62	-18.43	1,283,176.12	FLORIDA TRAFFIC CONTROL DEVICES, INC.	70
0047-07-231 NH 2017(082)	OBERLANDER	DALLAS	US 75	9.225	SP 366 TO IH 635	INSTALL GUIDE SIGNS	629,302.95	754,480.04	19.89	892,927.13	AMERICAN LIGHTING AND SIGNALIZATION, INC.	52
0196-01-106 STP 2017(083)MM	RODGERS	DENTON	IH 35E	1.693	STATE SCHOOL RD/MAYHILL RD(FM 2499) TO SL 288	GRADE SEPARATION IMPROVEMENTS	31,408,247.54	27,503,078.96	-12.43	34,404,843.02	OHL USA, INC.	442
0918-00-263 NH 2017(084)	OBERLANDER	DALLAS	VA	0.001	VARIOUS LOCATIONS IN DISTRICT AT DIAMOND INTERCHANGES	WRONG WAY DRIVING IMPLEMENTATION	1,699,050.80	1,785,330.87	5.08	2,112,939.08	AMERICAN LIGHTING AND SIGNALIZATION, INC.	548
0918-18-126 BR 2013(501)	CAMPBELL	NAVARRO	CR	0.201	NW CR 2310 AT RUSH CREEK	REPLACE BRIDGE AND APPROACHES	1,111,930.03	1,122,177.77	0.92	1,287,586.77	PIERCE R & B LLC	341
Total number of projects let: 5							36,204,480.32	32,271,063.26	-10.86	39,981,472.12		
						District FY Accumulative Lettings	36,204,480.32	32,271,063.26	-10.86			
						District FY Letting Volume Cap		594,423,285				

*** Estimated Total Project Costs includes estimated PE, ROW, E&C, Indirect Costs and Potential Change Order Costs at the time of bid.

* Subject to Change

Report Prepared 10/10/2016

*October 2016 Letting

CSJ	DESIGNER	COUNTY	HIGHWAY	PROJECT LENGTH	LIMITS	TYPE OF WORK	ESTIMATE	BID	+ / - %	ESTIMATED TOTAL PROJECT COSTS***	CONTRACTOR	# WKNG DAYS
0008-08-075 NH 2017(192)	MORREN	DALLAS	SH 180	87.979	VARIOUS LOCATIONS IN DALLAS COUNTY	SEAL COAT OF SHOULDERS	1,444,417.76	2,234,365.60	54.69	2,451,545.84	BRANNAN PAVING CO., LTD.	92
0048-03-093 NH 2017(183)	MORREN	ELLIS	SH 342	234.251	VARIOUS LOCATIONS IN DALLAS DISTRICT	SEAL COAT, PAVEMENT MARKINGS	12,830,327.38	11,359,831.33	-11.46	12,464,006.79	BRANNAN PAVING CO., LTD.	120
0196-03-272 NH 2017(185)	MASHELL	DALLAS	IH 35E	5.42	NORTH OF OAK LAWN AVE TO NORTH OF HARRY HINES BLVD RAMPS	FULL DEPTH REPAIR CONCRETE PAVEMENT, MILL & OVERLAY ON THE FRONTAGE ROAD	4,565,955.35	3,349,483.21	-26.64	3,793,959.64	AUSTIN BRIDGE & ROAD SERVICES, LP	104
1785-01-032 STP 1602(424)	HEARD	DENTON	FM 1830	6.275	FM 407 TO US 377	SHOULDER WIDENING, BASE REPAIR, AND CULVERT WIDENING	6,890,883.61	5,901,345.73	-14.36	7,425,248.55	JAGOE-PUBLIC COMPANY	400
2555-01-011 C 2555-1-11	RODGERS	KAUFMAN	FM 2578	5.637	US 175 TO FM 987	RESTORE EXISTING PAVEMENT AND ADD SHOULDERS	7,017,688.50	6,878,335.70	-1.99	8,205,854.49	A. L. HELMCAMP, INC.	247
Total number of projects let: 5							32,749,272.60	29,723,361.57	-9.24%	34,340,615.31		
						District FY Accumulative Lettings	68,953,752.92	61,994,424.83	-10.09%			
						District FY Letting Volume Cap		594,423,285				

*** Estimated Total Project Costs includes estimated PE, ROW, E&C, Indirect Costs and Potential Change Order Costs at the time of bid.

* Subject to Change

Report Prepared 11/10/2016

*November 2016 Letting

CSJ	DESIGNER	COUNTY	HIGHWAY	PROJECT LENGTH	LIMITS	TYPE OF WORK	ESTIMATE	BID	+ / - %	ESTIMATED TOTAL PROJECT COSTS***	CONTRACTOR	# WKNG DAYS
0596-04-041 STP 2017(242)	MYERS	ELLIS	FM 878	4.628	ALONG FM 878, FM 664, AND FM 813 IN ELLIS COUNTY	MILL, REPAIR, AND RESURFACE	6,097,015.79	6,987,285.33	14.60	7,906,141.43	BIG CREEK CONSTRUCTION, LTD.	225
2845-01-019 STP 2017(243)	HONEY	COLLIN	FM 455	4.538	SH 5 TO SH 121	BASE REPAIR AND SEAL COAT	803,363.45	607,568.40	-24.28	666,624.05	PEACHTREE CONSTRUCTION, LTD.	48
Total number of projects let: 2							6,900,379.24	7,594,853.73	10.06	8,572,765.48		
						District FY Accumulative Lettings	75,854,132.16	69,589,278.56	-8.26			
						District FY Letting Volume Cap		594,423,285				

*** Estimated Total Project Costs includes estimated PE, ROW, E&C, Indirect Costs and Potential Change Order Costs at the time of bid.

* Subject to Change

Appendix G

NUMBER OF INSPECTIONS CONDUCTED AT CONSTRUCTION SITES

During the months of September thru November 2016, 10 inspections were performed on construction projects located within the TxDOT MS4 area.

In addition to the above project related inspections, the District performed an annual SW3P audit of projects and, where necessary, conducted follow-up inspections to ensure compliance. District audits were conducted on a random basis. Of the 10 construction projects which had an SW3P in this permit year, 10 (100%) were inspected, which includes the District Environmental Quality Coordinator (DEQC) inspecting all of the ongoing projects for the District, completion of inspection forms and developing and submitting a comprehensive summary of findings to the Area Engineer.

Appendix H

REGIONAL WET WEATHER CHARACTERIZATION PROGRAM

Goal

To continue the assessment of urban impact on receiving stream water quality and to document any improvement from best management practice implementation.

Participants

Cities of Dallas, Fort Worth, Arlington, Irving, Plano, Garland, and Mesquite, and two transportation agencies—Texas Department of Transportation-Dallas District and North Texas Tollway Authority

Update

Summaries were not available at this time from North Central Texas Council of Governments (NCTCOG).

TxDOT will no longer be participating in the Regional Wet Weather Characterization Program based on new requirements set forth in TxDOT's new Statewide MS4 Stormwater Permit, No. WQ0005011000, issued by TCEQ on November 30, 2016.

Appendix I
Year 6 Status of Measureable Goals Data Matrix

Permit Year	BMP	Activity	Measurable Goals, Records to be Maintained and Summarized in Annual Reports	Year 5 Status
Public Education and Outreach on Storm Water Impacts				
Year 6	1.5.1 Impacts of Illegal Dumping and Littering (Visitors, Public Service Employees, Construction Site Personnel)	1.5.1.1 Contact one local TV or radio station and provide a copy of a Public Service Address Announcement (PSA) provided by ENV or the District.	1.5.1.1.1 Record of TV or radio station, date of delivery, and description of PSA.	**Accomplished**
Year 6	1.5.2 Education of Construction Site Personnel (Construction Site Personnel, Public Service Employees)	1.5.2.1 Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide of water quality materials.	1.5.2.1.1 Record date and project where posters were distributed.	**Accomplished**
Public Involvement and Participation				
Year 6	2.5.1 Adopt-A-Highway Program	2.5.1.1 Contact every group on a schedule such that every group is contacted at least once within the 5-year implementation period.	2.5.1.1.1 Record the date, list of groups contacted, estimated quantities and description of materials distributed.	**Accomplished**
Illicit Discharges and Improper Disposal				
Year 6	3.5.1 Develop Storm Sewer Outfall Inventory Map	3.5.1.1 Identify and map on a schedule such that every outfall is mapped at by the end of the 5-year implementation period.	3.5.1.1.1 Provide a list or printed map of outfalls inventoried and an estimate of the remaining MS4 that needs to be mapped.	**Accomplished**
Year 6	3.5.2 Storm Sewer Outfall Inventory Map	3.5.2.1 Update the map to include new and relocated outfalls.	3.5.2.1.1 Provide records to document updated map.	**Accomplished**
Year 6	3.5.3 MS4 Outfall Screening (Dry Weather Screening of Outfalls)	3.5.3.1 Screen all outfalls that were not previously screened utilizing the complete final storm sewer outfall inventory map.	3.5.3.1.1 Provide a list of outfalls for which dry weather screening was performed.	**Accomplished**
Construction Site Storm Water Runoff Control				
Year 6	4.5.1 Compliance with the CGP	4.5.1.1 Implement the plan to ensure TxDOT will comply with, and require its contractors to comply with the CGP.	4.5.1.1.1 Record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. Record the activities taken to ensure compliance according to the plan.	**Accomplished**
Year 6	4.5.2 Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	4.5.2.1 Identify discharges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls. Follow procedures described in Section 5.B. to resolve the issue.	4.5.2.1.1 Record and describe evidence of construction site runoff with inadequate controls. Record corrective measures taken.	**Accomplished**

El Paso District

Texas Department of Transportation 2016 MS4, Phase I Annual Report
TPDES Permit No. WQ0004527000

This report covers the activities of the Texas Department of Transportation – El Paso District for calendar year 2016 under the terms of their MS4 Phase I permit with co-permittee the City of El Paso. Activities in support of TxDOT's Phase II permit (urbanized areas of El Paso County outside of the El Paso city limits) are reported elsewhere.

2. a. MS4 Maintenance Activities

(1) Structural Controls – The Texas Department of Transportation – El Paso District (TxDOT) had no new structural control activities for this permit year.

(2) Floatables – TxDOT cleaned, swept and picked up debris on the interstate, state highways, and minor roadways within the El Paso city limits through contracting services encompassing 5,050 miles. TxDOT cleaned storm sewers and culverts with contracted services for a total of 155,273 cubic yards of debris and spoils material removed from culverts. TxDOT also cleaned 35 inlets and 6 slotted drains and 6,350 linear feet of various size pipes. There were 29 miles of debris removal from frontage roads and entrance/ exit ramps and 33,286 square yards of cleaning/sweeping (hand work). This comprehensive activity is performed three to four times a year or as needed, and by weekly stop-and-go spot litter pickup operations to minimize the amount of floatable materials which may block storm drainage systems and discharge.

(3) Roadways – No major earth disturbing operations occur during the regular maintenance of roadways. Minor disturbances such as shoulders blading, mowing, and ditch cleaning are performed as needed.

b. Post-Construction Storm Water Control Measures

(1) Areas of New Development and Significant Redevelopment, including the status of complying with new requirements – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.

(2) Flood Control Projects – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.

c. Illicit Discharge Detection and Elimination

(1) Illicit and Allowable Discharges – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.

(2) Detection and Elimination of Illicit Discharges, including the status of complying with new requirements – TxDOT maintenance crews look for illicit discharges in the course of their work and report any discoveries to City of El Paso staff for corrective action.

(3) Overflows and Infiltration – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.

(4) Household Hazardous Waste and Used Motor Vehicle Fluids – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.

(5) MS4 Screening and Illicit Discharge Inspections – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.
(6) NPDES and TPDES Permittee List – In 2016 there were 7 TxDOT construction projects within the Phase I area that had permits
(7) MS4 Map, including the status of complying with new requirements – Outfall location maps are maintained the City of El Paso and are available to TxDOT on request.
(8) Spill Prevention and Response – TxDOT's role in spills on the right of way continues to be to provide traffic control and coordinate with the in-house responder. Clean-up is the responsibility of the generator. If the generator cannot be found, then TxDOT will assume responsibility for the clean-up. Implementation of the contract is accomplished through TxDOT's Maintenance Division and the TCEQ Spill Response Unit.

d. Pollution Prevention/Good Housekeeping for Municipal Operations
(1) Pollution Prevention/Good Housekeeping Program, including the status of complying with new requirements – TxDOT inspects good housekeeping and related BMPs once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit. A team from TxDOT's Environmental Affairs Division – Pollution Prevention and Abatement section inspects maintenance facilities and the following program areas at each facility: solid waste management, hazardous waste management, used oil and oil filter management and used antifreeze management.
(2) Structural Control Maintenance – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.
(3) Waste Handling – TxDOT handles waste materials gathered from roadway cleaning and at its facilities in a manner compliant with all applicable laws and regulations.
(4) Pesticide, Herbicide, and Fertilizer Application – The Agriculture Code requires TxDOT employees to possess valid, non-commercial, pesticide applicator's licenses in order to apply herbicide on the transportation system right-of-way, or on the grounds of any TxDOT building. Training prepares TxDOT employees to test for a non-commercial pesticide applicator's license from the Texas Department of Agriculture (TDA) and introduces TxDOT employees to TxDOT's herbicide program. This course is offered to maintenance personnel. Forty employees of the El Paso District hold Herbicide Non-Commercial Pest Applicator Licenses.
(5) List of Municipal Facilities – This list is maintained by the City of El Paso and is available to TxDOT on request.

e. Industrial & High Risk Runoff
(1) Priorities and Procedures for Inspections and Implementing Control Measures – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.
(2) Industrial and High Risk Monitoring Program (alternatively, this may be

referenced in the Monitoring section of the annual report) – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.

f. Construction Site Storm Water Runoff
1) Requirements for Structural and Non-Structural BMPs – May be found in the Field Inspector's Guide, storm water run-off prevention classes and BMP classes (sponsored by TxDOT), as well as on the TxDOT website. Examples include: sandbags, silt fence, erosion control log, rock berm, sediment trap, and sediment control rolls (this list is not all-inclusive).
2) Inspection of Construction Sites and Enforcement Requirements – Are followed as per the above guidelines, and those stated specifically on the SW3P, EPIC, and Standard sheets.
3) Education and Training for Construction Site Operators – Is available online, on the TxDOT website, during preconstruction meetings, weekly meetings, as guidance from TxDOT inspectors, and from the Association of General Contractors.
4) Notification of Requirements to Construction Site Operators – Are available and are distributed during preconstruction meetings, weekly meetings, appear in the project plans, and from the above (see answers to the previous three items).
5) List of Construction Sites – see attached "List of Construction Sites Calendar Year 2016".
6) Status of complying with new requirements (e.g., site plan review of projects that are one or more acres in size) – TxDOT has an up-to-date Storm Water Management Plan and is fully compliant with all applicable MS4 requirements.

g. Public Education and Outreach/Public Involvement and Participation
(1) Public Education, including the status of complying with new requirements – In 2016 storm water public education materials were distributed at public meetings, at the University of Texas at El Paso's Earth and Career Day Events. Materials include: "Tex and Dot" activity books, educational brochures, stickers and temporary tattoos.
(2) Public Involvement and Participation, including the status of complying with new conditions – TxDOT has a variety of educational materials that were developed for its Phase II permit educational requirements that are now being distributed in the Phase I area. TxDOT is fully compliant with the new requirement.

h. Monitoring, Evaluation and Reporting
(1) Dry Weather Screening Program – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.
(2) Wet Weather Screening Program – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.
(3) Industrial and High Risk Runoff Monitoring Program – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.
(4) Floatables Monitoring – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.

3. a. A description of the portion of the current program that the permittees have implemented for each SWMP element – TxDOT has fully implemented all portions of the current Phase I requirements.
b. The status of implementing the SWMP (status of compliance with any schedules – TxDOT has an up-to-date Storm Water Management Plan and is fully compliant with all applicable MS4 requirements established under this permit.
c. Any proposed changes to the SWMP in the coming reporting year – No changes are proposed for the coming reporting year.
d. A summary describing the number and nature of enforcement actions, inspections, where applicable – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.

4. a. Identification of any water quality improvements, degradations, and progress toward any measurable goals or measured reduction in pollutants – In consultation and cooperation with TxDOT, this BMP is addressed by the City of El Paso.
b. Annual expenditures for the reporting period, with a breakdown for the major elements of the SWMP – See table below.
c. The budget for the year (2015) – a see table below.

BMP	2015 Expenditures	2016 Expenditures
Conveyance Cleanout	**$636,105**	**$434,645**
Enhanced Street Sweeping	**$1,1150,745**	**$929,880**
Alternative Methods for Insect/Weed Control	**$303,170**	**$382,565**
	Total=$2,090,020	**Total=$1,747,090**

d. Revisions, if necessary, to the assessments of controls and the fiscal analysis reported in the permit application or the most recent annual report – In consultation and cooperation with TxDOT, revisions are addressed by the City of El Paso.
e. A summary of the number of NPDES or TPDES notices of intent for each general permit and the number of construction site notices received by the permittees from construction site operators seeking coverage for storm water discharges – 7 TxDOT construction projects within the Phase I area had notices of intent in 2014. Construction site notices were issued for 9 construction projects. Further details are available upon request.
f. The number of inspections conducted at industrial and construction sites – In the Phase I area there were 15 active construction projects during this period. There were 228 construction site inspections conducted by TxDOT personnel.

No industrial inspections were conducted by TxDOT (not in the agency's scope of work).

g. representative monitoring data and a summary of any additional data that was collected during the reporting year and the status of complying with the new SWMP elements in Part III, Section B of the permit – This data is available for the City of El Paso.

LIST OF CONSTRUCTION SITES CALENDAR YEAR 2016		
PROJECT CONTROL NO.	**PROJECT NAME**	**ROADWAY & DESCRIPTION**
0167-01-108	**CM 2014(024)**	**US 54, Alt Routes II**
2121-02-151	**STP 2014(127)TE**	**IH 10, Aesthetic Phase II**
0001-01-058	**CM 2014(902)**	**SH 20, Traffic Operation Improv**
2121-02-137	**CBI 2015(220)**	**IH 10, Collector Distr. Lanes**
0001-04-094	**NH 1502(154)**	**US 62, Landscape Vegetation**
0674-01-037	**STP 2012(183)**	**FM 76, Gr Str Surface Work**
0924-00-065	**STP 2013(862)**	**IH 10 & LP 375, FY Signing**
2121-04-092	**IM 0101(265)**	**FM 659, Int Impr Braided Ramp**
2121-03-151	**CBI 2014(630)**	**IH 10, 1 Lane Ea Direction**
0924-06-449	**STP 2015(042)**	**IH 10, LP 375, FM 76, FM 659, FM 1281, FM 258, & SH 20, Constr Curb Ramps**
0001-02-056	**STP 2015(501)HES**	**IH 10, LP 375, FM 76, FM 659, FM 258, BU 54, FM 2529, US 85, SH 20, US 85, & LP 478, Texturize Shoulders**
0924-06-154	**BR 2008(321)**	**SH 20, Carolina Bridge**
2552-03-057	**BR 1602(072)**	**US 54 & LP 375, Bridge Culv Rail Upgr**
3628-01-001	**C 3628-1-1**	**SPUR 1966, Flex Base Surface Treat**
2326-01-025	**NH 2013(866)**	**FM 2529, Vegetative Ladscaping**

Texas Department of Transportation



Texas Department of Transportation – El Paso District

Annual Report
TPDES Phase II MS4 General Permit No. TXR040000

Reporting Period: August 13, 2016 – November 30, 2016

Permit No.: TXR040000 / TxDOT El Paso District

Phase II (Small) MS4 Annual Report Form
TPDES General Permit No. TXR040000

A. General Information

1. Permit No. TXR040000 Annual Report Period: August 13, 2016 – November 30, 2016

   Name of MS4 / Permittee: Texas Department of Transportation – El Paso District

   Contact Name: Margarita Montes Telephone Number: 915/790-4270

   Mailing Address: 13301 Gateway Blvd. West, El Paso, TX 79928-5410

   E-mail Address: Margarita.Montes@txdot.gov

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes ___X__ No

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

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X___ No

   If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

4. Is this a system-wide annual report including information for all permittees? _____ Yes ___X___ No

Explanation, if any _____

_____

_____

5. Has a copy of this annual report been submitted to the TCEQ Regional Office? ___X___ Yes _____ No

B. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. 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

_____

_____

b. If Yes to the above, has the TCEQ already approved the original SWMP? _____ Yes _____ No

_____

_____

c. If Yes to the above, indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) _____ Yes _____ No

2. The MS4 has annexed lands since obtaining permit coverage. _____ Yes ____X___ No

3. A receiving water body is newly listed as impaired or a TMDL has been established. _____ Yes ____X___ No

4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes ____X___ No

Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

C. Narrative Provisions.

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and	**X**		As described in Table 1 in Part

approved by the TCEQ.			D, we (El Paso District) are in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		This report brings us current with the reporting requirements. Supporting records can be inspected at the address indicated on the NOI.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		We meet the eligibility requirements described in Part II.C., including those requirements pertaining to TMDLs, Edwards Aquifer, and compliance history.

2. Provide a general assessment of the appropriateness of the selected BMPs:

   Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? _____ Yes ___X___ No

   Provide explanation:

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

Or, provide explanation below:

While we do not have analytical data that demonstrates a measurable pollutant reduction, progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) can be quantified in terms of BMP implementation and progress towards meeting our measurable goals. This is consistent with 40 CFR §122.34, which states "Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to §122.33 constitutes compliance with the standard of reducing pollutants to the 'maximum extent practicable.'" Even though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that said litter will pollute storm water, resulting in a clear, although not quantified, pollutant reduction.

The progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) for the district can be measured by implementing the following BMPs:

MCM-1, BMP: Education of Construction Site Personnel

Site personnel who are directly involved in construction activities within the TxDOT right of way can directly influence the quality of storm water runoff discharged from the MS4. Providing them with educational materials on the effect of pollution in storm water runoff assists in reducing the discharge of pollutants to the MEP. There were seven pre-construction meetings for projects that are in or serve the MS4 Phase II area. There are four types of educational materials that were distributed (SW3P and MS4 topics are always discussed in the meeting).

AND/OR

MCM-2, BMP: Adopt-A-Highway Program

Providing educational materials on the effect of pollution in storm water runoff to the volunteers, and removing floatables and other solid waste materials from the right of way have reduced the discharge of pollutants to the MEP. Six miles of the highway were adopted in the Phase II area. Approximately 458 33-gallon trash bags collected in the Phase II area in Year Eight.

AND/OR

MCM-2, BMP: Report-a-Litterer (RAL) Program

The district distributed RAL flyers to employees and to residents in the MS4 area to encourage participation in the program. The RAL Program provides information to the public on how to report litterers to employees, hence assisting the district in making residents in the MS4 area aware of litterers and giving them the means to proactively reduce the discharge of pollutants to the MEP.

No RAL flyers were distributed to educate residents and employees on how to report litterers. No additional people heard about the RAL program during environmental presentations.

AND/OR

MCM-2, BMP: "Texas is not your Ashtray" Campaign

TxDOT is promoting this campaign through statewide advertising that includes social media messaging and billboards.

AND/OR

MCM-3, BMP: Develop Storm Sever Outfall Inventory Map

This map was determined to be an appropriate BMP for locating and tracking potential illicit discharges to the MS4, and will assist in reducing the discharge of pollutants to the MEP. The district identified and mapped 43 outfalls within the MS4 area. This represents approximately 100% of the estimated total outfalls to be mapped in the Phase II area.

AND/OR

MCM-3. BMP: Dry Weather Screening Monitoring

Regulated outfalls were screened for dry weather flow and potential illicit discharges. The monitoring was determined to be an appropriate BMP for adequately locating and tracking potential illicit discharges to the MS4, and will assist the district in reducing the discharge of pollutants to the MEP. The district monitored 43 outfalls, identified 43 dry weather flows, and performed no corrective actions as a result of the screening activities.

AND/OR

MCM-4, BMP: Construction Site Inspection

The selected BMP, the practice to conduct detailed inspections of TxDOT's construction projects in the MS4 area to ensure compliance with the TPDES construction general permit was determined to be an appropriate BMP for controlling storm water runoff from construction sites and will assist the district in reducing the discharge of pollutants to the MEP. The district conducted 60 inspections at projects within the MS4 area. This BMP reduced storm water pollution by alerting the Engineer to any construction conditions that needed corrective action.

AND/OR

MCM-4, BMP: Preconstruction Meetings:

The selected BMP, the practice to including storm water requirements on the agenda for preconstruction meetings for construction projects in the MS4 area to ensure compliance with the TPDES construction general permit, was determined to be an appropriate BMP for controlling storm water runoff from construction sites and will assist the district in reducing the discharge of pollutants to the MEP. Five preconstruction meetings were held for projects starting construction within the MS4 area in year eight. All projects included erosion and sediment control on the agenda and specifically addressed the requirements of the storm water pollution prevention plan (SW3P).

AND/OR

MCM-4, BMP: SW3P Plan Review:

The selected BMP, the practice to review the SW3P for construction projects in the MS4 area to ensure compliance with the TPDES construction general permit, was determined to be an appropriate BMP for controlling storm water runoff from construction sites and will assist the district in reducing the discharge of pollutants to the MEP. The district reviewed Five SWP3 plans within the MS4 area to ensure that all were in compliance with the CGP if required. Comments were made to the designer/engineer to make sure the plans addressed storm water runoff appropriately.

AND/OR

MCM-4, BMP: Compliance with the CGP

The practice to ensure compliance with the TPDES construction general permit was determined to be an appropriate BMP for controlling storm water runoff from construction sites and has assisted the district in reducing the discharge of pollutants to the MEP. There was two CGP NOIs for large projects, and two Construction Site Notices for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. The activities taken to ensure compliance according to the plan are recorded and kept in the district records file.

AND/OR

MCM-4, BMP: Identify and eliminate discharges from construction sites outside of ROW with inadequate controls

The selected BMP was evaluated and determined to be an appropriate BMP for limiting the discharge of pollutants to the regulated MS4 from construction activities outside of the TxDOT right of way and jurisdiction. The district identified no discharges to the MS4 from projects outside the ROW that may have inadequate SWP3 measures or controls.

AND/OR

MCM-5, BMP: Inspection and Maintenance of Permanent Control Measures

The inspection and maintenance of permanent control measures to ensure that control measures remain in good condition and continue to control storm water runoff have reduced the discharge of pollutants to the MEP. Approximately 100% of the Phase II area was surveyed. Approximately four maintenance activities were performed.

AND/OR

MCM-5, BMP: Plan Review

The selected BMP, the practice to review construction plans for the appropriate choice of post construction storm water management and to incorporate storm water controls to address storm water runoff was determined to be an appropriate BMP for controlling storm water runoff from construction sites and will assist the district in reducing the discharge of pollutants to the MEP.

The district reviewed five projects being developed within the MS4 area to ensure that they all included appropriate BMPs to address storm water run-off once construction is complete. Comments were made to the designer/engineer as necessary to make sure the plans addressed storm water runoff appropriately.

AND/OR

MCM-6, BMP: Facility Inspections:

The selected BMP is to ensure that inspections are completed on all district facilities at least once per permit term. This BMP was determined to be an appropriate BMP for controlling the discharge of pollutants. This BMP will assist the district in reducing the discharge of pollutants to the MEP.

No facility compliance inspection was conducted at the facility (previously completed earlier in the permit term). In addition, visual inspections of the tanks, valves, pipes, and dikes were conducted 12 times per year at the district complex and 12 times per year at the maintenance offices.

AND/OR

MCM-6, BMP: Employee Training

- The selected BMP is to ensure district employees attend at least one training class per permit term. The BMP was evaluated and determined to be an appropriate BMP for providing information to personnel on environmental issues that can encourage the control for the discharge of pollutants in the MS4 from district operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP. The following training classes were provided to district employees during the eight permit year: Hazard Communications (SFH 420) and HazCom/Environmental Refresher (SFH 421).

AND/OR

MCM-6, BMP: Disposal of Waste

The selected BMP is to ensure proper disposal of solid wastes. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from district operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP. The district removed approximately 974,550 cubic feet of litter and debris from roadways by litter collection and/or street sweeping. The district removed approximately 2,144 cubic yards of spoil materials from culverts in the Phase II area

and properly disposed of. The district removed approximately 0 linear feet of spoil material from storm sewer pipes and 20 linear feet was removed from slotted drains and properly disposed of.

AND/OR

MCM-6, BMP: Inspection of Structural Controls for Sand and Ice Rock Storage Areas

The district inspected the structural controls within the MS4 Phase II area at least once per year. During inspection the structural controls are evaluated for any needed maintenance, repair or replacement and a schedule is established for follow-up actions as is necessary. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from district operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP.

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

   At the conclusion of permit year eight the El Paso District has either met or exceeded all major tasks associated with the Phase II permit. No significant challenges have been encountered.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated via notices of intent or site notices:

   We received two NOI and one Construction Site Notices during the eight permit year.

6. Does the permittee utilize the 8th MCM related to construction? _____ Yes ___X___ No

   If Yes, then provide the following information:

   a. The number of municipal construction activities authorized under this general permit: N/A

   b. The total number of acres disturbed for municipal construction projects: N/A

Though the 7th MCM is optional, this must be requested on the NOI or on a NOC and approved by the TCEQ.

7. Requirements for Specific Minimum Controls Measures (MCMs):

   a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM. (See Attachment A)

   b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.). (See Attachment A)

   c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

      Not applicable; we utilize the list in the permit.

8. Describe any proposed changes to the SWMP in the coming reporting year.

   None

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

Not applicable (this report is for the eighth year of a five-year permit).

D. Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)*

Please note: Since each of our BMPs have measurable goals, TxDOT combined Tables 1 and 2 in the original template in order to minimize redundancy.

Table 2 – Year Seven BMP and Measurable Goals Status

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Year Five Milestones/ Accomplishment/	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal, -Exceeded Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1 - Public Education and Outreach on Storm Water Impacts	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area.	Estimated quantities and description of material distributed or posted, and date of public meetings where materials were distributed or copies of sign in sheet where materials were distributed.	Approximately **150** educational materials regarding the prevention of storm water pollution. TxDOT continues its statewide "Don't Mess with Texas" anti-litter campaign. This effort reaches millions of Texans through TV and radio spots, billboards and print media. See Appendix A for documentation of the activities and copy of materials.	Completed 11/2016	Met goal	N
MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide water quality materials.	Record date and project where posters were distributed.	There were five pre-construction meetings for projects that are in or serve the MS 4 Phase II area. Typically 10 to 15 people attended those meetings. There are four types of educational materials that were distributed (SW3P and MS4 topics are always covered).	Completed 11/2016	Met goal	N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, cubic yards of materials removed.	Six miles adopted in the Phase II area. Approximately 458 33-gallon trash bags collected in the Phase II area in year eight.	Completed 11/2016	Met goal	N
MCM 2 – Public Involvement and Participation	"Texas is not your Ashtray" campaign	A statewide campaign to discourage motorist from tossing smoldering cigarettes from their vehicle windows.	Inform the public that cigarettes can start wildfires and account for 43% or roadside trash.	Social media and billboards are used to spread the campaign message.	Completed 8/12/15	Met goal	N

MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	Identify and map on a schedule such that every outfall is mapped by the end of the 5-year implementation period.	Provide a list or printed map of outfalls inventoried and an estimate of the remaining MS4 that needs to be mapped.	Forty three (43) MS4 Phase II outfalls were identified and mapped.	Completed 8/12/10	Met goal	N
MCM 3 - Illicit Discharge Detection and Elimination	Update Storm Sewer Outfall Inventory Map	Update the map to include new and relocated outfalls.	Provide records to document updated map.	No updates were required to the outfall map in permit year eight.	Completed 8/12/15	Met goal	N
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen all of the outfalls in the most current map available. Alternatively, establish a screening schedule so that all outfalls will be screened by the end of the 5-year implementation period.	Provide a list of outfalls for which dry weather screening was performed. Summarize and report all follow-up actions resulting from screening.	Dry-weather screening was completed in July 2010.	Completed 8/12/10	Met goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	Implement the plan to ensure TxDOT will comply with, and require its contractors to comply with the CGP.	Record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. Record the activities taken to ensure compliance according to the plan.	There were two CGP NOIs for large projects, and zero of CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. The activities taken to ensure compliance according to the plan are recorded and kept in the district records file.	Completed 11/2016	Met goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	Identify discharges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls. Follow procedures described in Section 5.B. to resolve the issue.	Record and describe evidence of construction site runoff with inadequate controls. Record corrective measures taken.	Identified no discharges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls. The issue has been resolved using procedures described in Section 5.B. of the SWMP.	Not applicable	Not applicable	N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc.)	Survey the entire MS4 Phase II area to identify needed maintenance, establish a maintenance schedule, and perform needed maintenance. **OR** Establish a schedule to survey the entire MS4 Phase II area at least once during the permit term. Establish a maintenance schedule and perform the needed maintenance identified during survey activity for this year.	Record the maintenance activities and the percentage of the Phase II area that was surveyed.	Approximately 100% of the Phase II area was surveyed. Approximately four maintenance activities were performed. See Appendix B for Year Eight Schedule	Completed 8/12/15	Met goal	N

MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Determine the need for storm water structural controls in areas of new development and redevelopment	Identify stormwater runoff issues during planning, design, and project development process for new development and redevelopment of transportation facilities. Incorporate stormwater controls to address hydraulic and water quality issues.	Document stormwater issues addressed during the planning, design, and project development process and the resultant controls that were implemented.	There were no discharges to the MS4 from adjacent areas of new development and redevelopment that cause erosion or similar water quality issues with the District's MS4. AND TxDOT has built one permanent structural controls in year five. See Appendix C –Post construction plan view.	Completed 8/12/15	Met goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).	Complete a Facility Operations Environmental Advisory Survey Report.	Completed 8/12/15	Met goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively provide a list of the title and date of courses offered.	The following training classes are provided to the employee: • Hazard Communications (SFH 420) • HazCom/Environmental Refresher (SFH 421) • Herbicide Certification (MNT 410) • Herbicide Equipment Training (MNT 411) • Hazard Materials Awareness (SFH 430) A copy of the class roster and date class was administered is kept in the region in a database accessible by the regional training staff.	Completed – training was held for only SFH 420 and SFH 421 during this reporting year.	Met goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Ensure proper disposal of litter and debris removed from roadways by litter collection and/or street sweeping. Ensure proper disposal of spoil materials removed during maintenance of drainage ditches and structural controls.	Record volumes and nature of disposed waste.	Approximately 974,550 cubic feet of litter and debris were removed from roadways by litter collection and/or street sweeping. Approximately 2,144 cubic yards of spoil materials was removed from culverts in the Phase II area and properly disposed of. Approximately 0 linear feet of spoil material was removed from storm sewer pipes and 20 linear feet was removed from slotted drains and properly disposed of.	Completed 11/2016	Met goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand and ice rock storage areas.	Inspect structural controls at least once per year. Determine the need for maintenance, repair, or replacement and schedule follow-up actions as is necessary.	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions.	Two structural controls were inspected (located at the only such facility in the Phase II area). Document condition of each control here: Tank – excellent (like new) Sand & Salt - fair No follow-up activities occurred.	Completed 8/12/15	Met goal	N

E. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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): Robert Bielek, DPA, P.E. *Title: District Engineer

Signature: Robert Bielek, P.E. Date: 11/30/2017

*Must be signed by a "principal executive officer...having responsibility for the overall operations of a principal geographic unit of the agency" as described in 30 TAC §305.44 (Signatory to Applications) and referenced in 30 TAC §305.128 (Signatory to Reports). This requirement is met by the District Engineer.

APPENDIX A
MINIMUM CONTROL MEASURE 1 (MCM-1)
PUBLIC EDUCATION AND OUTREACH

DOCUMENTATION OF THE ACTIVITIES CONDUCTED AND MATERIALS USED TO FULLFILL THE MCM

MS4, Phase II – 2.c. – Flyers and Brochures

Date of public meeting	Location	Materials Distributed	Quantity
			0
			0
			0
			0

APPENDIX B
Table 1. MAINTENANCE BMP SCHEDULE FOR YEAR EIGHT IMPLEMENTATION

Table 1. MAINTENANCE BMP SCHEDULE FOR YEAR EIGHT IMPLEMENTATION

Type of Practice	Management Practice	Maintenance Activity	Maintenance Section Responsibility	TxDOT Approved Consultant Work	Schedule
Detention/ Retention Practices	Ponds/wetlands	Cleaning and removal of debris after major events (>2" rainfall)	X		Annual or as needed
		Harvesting vegetation when a 50% reduction in the original open water surface area occurs			
		Repairing embankment and side slopes			
		Repairing control structure			
		Removal of accumulated sediment from forebays or sediment storage areas when 60% of the original volume has been lost		X	5-Year Cycle
		Removal of accumulated sediment from main cells of ponds once 50% of the original volume has been lost		X	20-Year Cycle
Filtration Practices	Infiltration Basin	Cleaning and removal of debris after major events (>2" rainfall)	X		Annual or as needed
		Mowing and maintening upland vegetated areas			
		Sediment cleanout			
		Removal of accumulated sediment from forebays or sediment storage areas when 50% of the original volume has been lost		X	3- to 5- Year Cycles

Table 1. MAINTENANCE BMP SCHEDULE FOR YEAR EIGHT IMPLEMENTATION

Type of Practice	Management Practice	Maintenance Activity	Maintenance Section Responsibility	TxDOT Approved Contract Work	Schedule
Filtration Practices	Sand Filters	Removal of trash and debris from control openings	X		Annual or as needed
		Repairing leaks fro the sedimentation chamber or deterioration of structural components			
		Removal of the top few inches of sand, cultivation of the surface, when filter bed is clogged			
		Cleaning out accumulated sediment from filter bed chaber once depth exceeds approximately 1/2", or when the filter layer will no longer draw down within 24 hours		X	3- to 5- Year Cycles
		Cleaning out accumulated sediment from sedimentation chamber once depth exceeds 12 inches			
	Biofilters	Scraping swale bottom and removing sediment to restore original cross section and infiltration rate		X	5-Year Cycle
		Seeding or sodding to restore ground cover (use proper erosion and sediment control)			

Table 1. MAINTENANCE BMP SCHEDULE FOR YEAR EIGHT IMPLEMENTATION

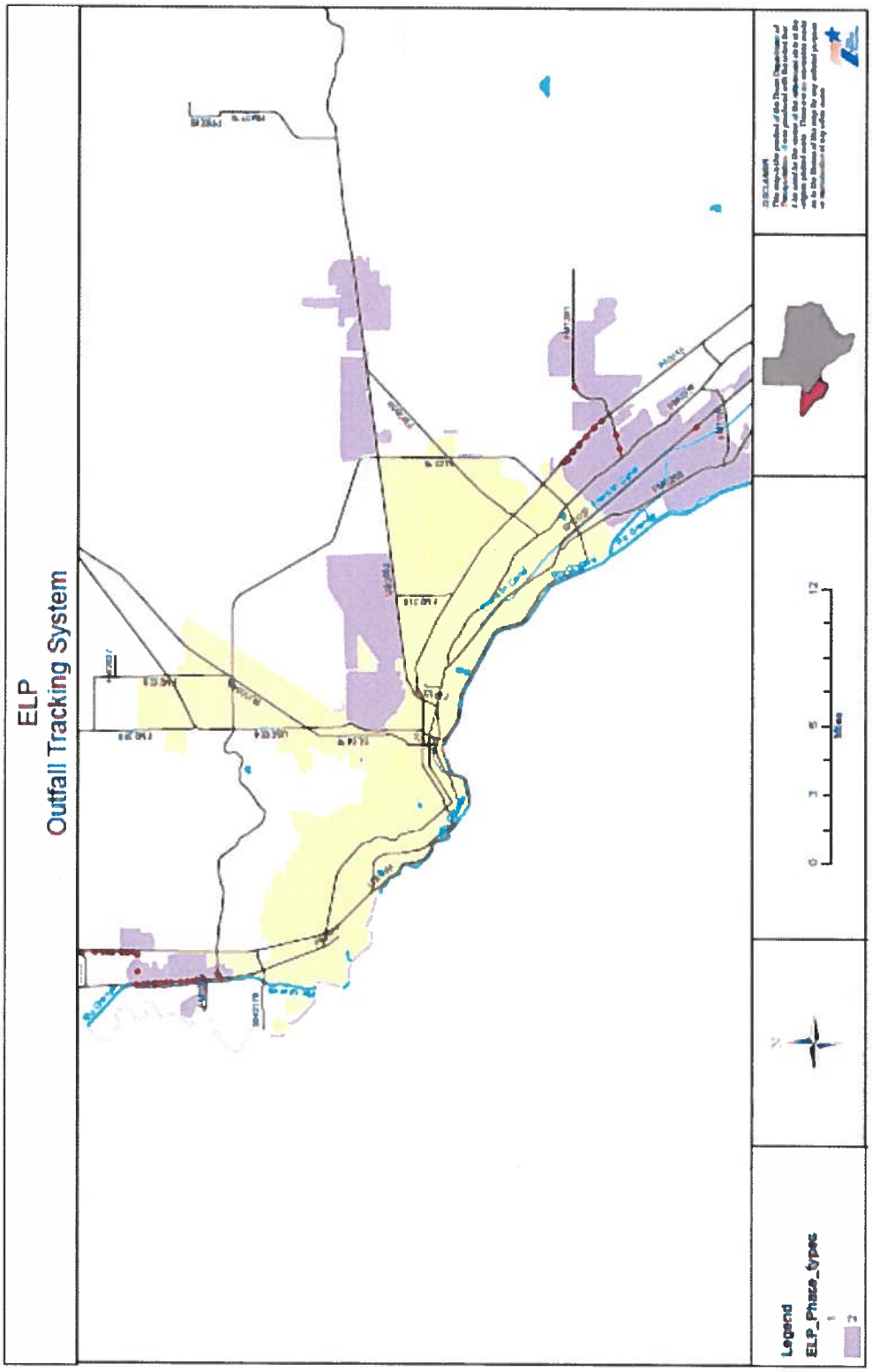
Type of Practice	Management Practice	Maintenance Activity	Maintenance Section Responsibility	TxDOT Approved Contract Work	Schedule
Filtration Practices	Bioretention	Repairing erosion areas	X		Biannual or as needed
		Mulching of void areas			
		Removing and replacing all dead and diseased vegetation			
		Watering plant material			
		Seeding or sodding to restore ground cover (use proper erosion and sediment control)			
		Removal of mulch and applying a new layer	X		Annual

APPENDIX C
Table 2. POST CONSTRUCTION PLAN VIEW

POST CONSTRUCTION PLAN REVIEW

	ACTIVITY	Post-Construction Design Elements	30% Departmental Review	60% Submittal Departmental Review	90% Submittal Departmental Review	100% Submittal Departmental Review	Comments
PLANNING AND DESIGN REVIEW	Pre-development and Post-development hydrologic analysis	1-year or 2-year 10-year or 25-year storm to size storm drainage infrastructure 100-year storm to address flooding	X	X			
	Identify low impact development opportunities	Green Designs Bioretention (rain gardens) Infiltration Basin	X	X	X	X	
	Identify pollutants of concern	Sediments Nutrients Trash & Debris Oil & Grease	X	X	X	X	
	Identify controls that provide treatment and reduce stormwater volume and velocity	Detention/Retention Basins Infiltration Basin Filtration	X	X	X	X	
	Identify pollution prevention measures	Designing outdoor material storage areas to minimize exposure to stormwater Designing trash storage areas to minimize exposure to stormwater	X	X	X	X	
	Provide for long-term operation and maintenance of controls	Description of routine maintenance Schedules for maintenance Penalties for failure to maintain BMPs Inspection Requirements	X	X	X	X	

APPENDIX D
PHASE II AREA MAP WITH OUTFALL LOCATIONS


ELP
Outfall Tracking System
Legend
ELP_Phase_Types

Fort Worth District



Fort Worth District

Municipal Separate Storm Sewer System Interim Annual Report

City of Arlington, Texas Department of Transportation and University of Texas at Arlington

TPDES Permit No. WQ00046350000
October 1, 2016 – November 30, 2016
Interim Annual Report Due to New Phase I Permit Issued by TCEQ on November 30, 2016.

Prepared by:

Texas Department of Transportation
Fort Worth District
2501 S.W. Loop 820
Fort Worth, Texas 76133

December 1, 2017

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Section 1.0 Introduction

1.1 Background

On July 29, 2011, the Texas Commission on Environmental Quality (TCEQ) issued Texas Pollutant Discharge Elimination System (TPDES) Permit Number WQ00046350000 (Permit) to the Texas Department of Transportation (TxDOT) – Fort Worth District (District) as a co-permittee to the City of Arlington and University of Texas - Arlington. This Permit authorizes the District to discharge from the TxDOT Municipal Separate Storm Sewer System (MS4), located within the corporate boundary of the City of Arlington and University of Texas - Arlington owned or operated by the permitees, located in Tarrant County, Texas, 76001-76018 via the MS4 to various ditches.

In accordance with the Permit, Part III, the District prepared and implemented a comprehensive Stormwater Management Plan (SWMP) which includes pollution prevention measures, pollutant removal techniques, stormwater monitoring, and other appropriate means to control the quality of stormwater discharged from the MS4 to the Maximum Extent Practicable (MEP).

The District has prepared this partial year 5 Annual Report as required by Part IV.C of the Permit. The partial year reporting is due to the issuance of a new Phase I Permit for transportation entities issued to the Texas Department of Transportation on November 30, 2016.

1.2 Changes to the Stormwater Management Program

The District Stormwater Management Plan (SWMP) was updated with non-substantive changes related to revised formatting of the document and Table of Contents modifications in August 2012. Revisions were also related to making the SWMP format consistent with current TCEQ review guidelines.

Section 2.0 MS4 Maintenance Activities

2.1 Structural Controls

TxDOT has implemented a statewide Maintenance Management System (MMS), known as COMPASS, which is used for planning, decision support, and reporting of maintenance activities. COMPASS tracks information by Function Code. A Function Code describes the activity being engaged in when TxDOT resources are being consumed. Table 14.0 has a complete listing of Function Codes, referenced throughout this report, that are used to track activities impacting the District's Stormwater Program.

During the reporting period, TxDOT spent $3,980.00 on cleaning and reshaping of ditches (Function Code 561 & 562), and $6,579.00 for storm sewer and inlet maintenance (570 & 571). See Table 2.1.

Table 2.1
Structural Controls Maintenance Expenditures

Function Code	Description	Total
561	Ditch Maintenance	$2,874.00
562	Reshaping Ditches	$1,106.00
570	Culvert and Storm Drain Maintenance	$6,579.00
571	Stormwater Pump Station Maintenance	$0.00
620	Bridge Channel Maintenance	$0.00
	Total	**$10,559.00**

2.2 Floatables

2.2.1 Litter Pickup

A TxDOT pilot program which was started in 1985 has now grown into the nationally and internationally recognized programs known as Don't Mess with Texas (www.dontmesswithtexas.org) and Adopt-A-Highway (AAH).

The AAH program reduces the discharge of floatables into the MS4 by engaging volunteer groups in different litter collection activities throughout the year. The District has successfully implemented two separate components of the AAH litter pickup program, which has resulted in a significant reduction of floatables to the MS4. A primary component of the AAH program is the roadway section adoption; where individuals, or groups, adopt and become responsible for litter collection along a specified roadway section. The assigned groups have visited their adopted sections numerous times during the reporting period. Another component of the AAH program implemented by the District is the annual Trash-Off campaign; where volunteer

groups participate in a one day litter cleanup event. Table 2.2.1(a) below displays the results for both components of the program.

Table 2.2.1(a)		
AAH Program Results for the Reporting Period		
Program Component	Bags Litter Collected	Volunteers
AAH Regular Collection Results	492	45
AAH Trash-Off Program Results	86	71
Totals	**578**	**116**

In addition to the events listed above, the District also uses private contractors to perform litter collection along the TxDOT right-of-way (ROW). Two private contractors were utilized during this reporting period. Because of contracting requirements, the contractor collection services are awarded for a specified number of acres along an assigned section(s) of roadway. Therefore, contractors keep a record of how many acres they collect litter on rather than the volume of litter collected. Table 2.2.1(b) below displays the results of private contractor litter collection for the reporting period.

Table 2.2.1(b)			
Contract Litter Collection for the Reporting Period			
Contractor Name	Date	Acres Collected	Contract Expense
Liberty Proclaimed Ministry	10/2016-11/2016	162	$55,051.00
Lift for Life Outreach Center	10/2016-11/2016	192	$51,012.00
Totals		**354**	**$106,063.00**

2.2.2 Source Control and Monitoring

During the reporting period the District spent approximately $65,124.00 (Function Codes 521, 523, 524, & 525) on litter control and debris removal activities. Table 2.2.2 below indicates expenditures for the reporting period. This amount is beyond the expenditures for private contractor litter collection.

Table 2.2.2		
Source Control Monitoring Expenditures		
Function Code	Description	Total
521	Litter	$30,910.00
523	Debris	$31,790.00
524	Spot Litter	$1,917.00
525	Adopt-A-Highway	$507.00
527	Hand Sweeping	$130.00
810	Assistance to Traffic - Debris Removal	$0.00
	Total	**$65,254.00**

2.3 Roadways

The District has implemented an effective combination of best management practices (BMPs) specifically targeted to the operation and maintenance of our roadways and facilities in a manner that consistently minimizes the discharge of potential pollutants. The following sections provide detailed information about the specific BMPs implemented by the District.

2.3.1 Mowing and Vegetation Management

TxDOT's use of vegetated buffers requires extensive mowing and vegetation management, and is an important part of the maintenance program. To ensure that these non-structural controls continue to operate at peak efficiency, careful attention is paid to mowing and vegetation maintenance activities. Expenditures for mowing and spot mowing, within the District ROW, amounted to over $81,349.00 (Function Code 511 & 513) during the reporting period; while seeding, sodding, hydro-mulching, landscaping, and tree and brush control accounted for over $673.00 (Function Code 552). During this reporting period, TxDOT spent over $80,961.00 (Function Code 511) on mowing and vegetative management items. Table 2.3.1 below indicates expenditures for the reporting period.

Table 2.3.1
Mowing and Vegetation Management Expenditures

Function Code	Description	Total
511	Mowing	$80,961.00
513	Spot Mowing	$388.00
548	Seeding, Sodding, Hydro-mulching and Blanketing	$0.00
551	Landscaping	$7,890.00
552	Tree and Brush Control	$673.00
	Total	**$89,912.00**

2.3.2 Materials Storage / Stockpiles

The District's Division of Occupational Safety has implemented a program of inspection at each District/Section maintenance facility, see Table 2.3.2, with an objective to note hazards within the workplace that may contribute to employee accidents or violate state and federal regulations (including water quality). An important component of this program addresses material storage and stockpiles to ensure they comply with state and federal regulations and do not have any potential effect on local water quality. The District performs these inspections on a semi-annual basis.

Table 2.3.2		
District Facilities		
Facility Name	Address	Times Inspected
Fort Worth Maintenance Office	5501 McCart Ave, Ft Worth, 76133	1

2.3.3 Spill Response

When TxDOT discovers or is notified of hazardous material spills on its ROW, the District has an emergency response plan in place with the TCEQ to address the cleanup of oil and hazardous material spills. TxDOT has implemented an Interagency Agreement with TCEQ, which provides for cleanup of spills throughout the State. Implementation of the Interagency Agreement is accomplished through TxDOT Headquarters Maintenance Division and the TCEQ "Spill Response Unit." The District also retains an Emergency Response Contractor to assist with cleanups anytime they are found in the District.

In addition to the Interagency Agreement, the District may incur additional expense for emergency spill-related activities. When the District incurs costs for emergency response, it is accounted for as an overhead item by the Maintenance section responsible for the area in which the incident occurred. During the reporting period, TxDOT expended approximately $102.00 (Function Code 830). Table 2.3.3 below indicates expenditures for the reporting period.

Table 2.3.3		
Spill Response Expenditures		
Function Code	Description	Total
520	Illegal Dumpsite Removal and Disposal	$0.00
830	Hazardous Materials Cleanup - Spills or Leaking Storage Tanks	$102.00
831	Hazardous Materials Cleanup - Abandoned Materials	$0.00
	Total	**$102.00**

2.3.4 Bridge, Heavy Equipment and Paint Removal

All paint removal projects within the District are performed by private contractors. Contractors monitor paint removal projects to ensure that potentially hazardous materials do not adversely affect the environment. Prior to any paint removal activities, testing is performed to determine proper removal and disposal options. Containment, abatement, and removal are performed, when warranted, in accordance with all federal regulations to ensure no adverse impacts on local water quality.

2.3.5 Other Maintenance Considerations

When requested, TxDOT has granted the temporary use of the ROW for investigation and remediation of leaking petroleum storage tanks (LPST). Applicants

are either private property owners or public entities. With cooperation from TCEQ, TxDOT has successfully implemented an agreement process with LPST site owners and contractors. Applicants are required to follow an abbreviated planning and design process for the investigation and remediation stages. This process has substantially reduced soil disturbances within the ROW during all stages of the work.

2.3.6 Sanding and De-icing Activities

Removal of snow and ice from the roadway is classified as an emergency operation that takes precedence over all other work to ensure public safety. The preferred method of maintaining a safe roadway during icy conditions is through the use of sand, without salt. Only during the most severe conditions are other measures used. Since 2007, TxDOT has utilized more environmentally friendly deicing agents. Meltdown 20™ and calcium magnesium acetate (CMA) are now being used in place of salts for severe conditions. During and after the icy conditions, inspections are conducted to ensure proper cleanup operations minimize pollutant discharge from the District MS4.

During this reporting period the district and regional area did not experience any days of freezing weather due to the reporting period occurring during the months of October and November 2016. Due to the time frame of this reporting period, TxDOT did not experience the large expenditures for Sanding and Deicing Activities which had been exhibited in previous reporting years. Tabled 2.3.6 below would reflect any expenses incurred if the reporting period covered the complete Annual Report period which normally has large expenditures for the prescribed activities which would be normally experienced during the months of December, January, and February.

Table 2.3.6
Sanding and Deicing Activities Expenditures

Function Code	Description	Total
526	Sweeping Ice Rock	$0.00
811	Assistance to Traffic - Snow and Ice	0.00
	Total	**$0.00**

2.3.7 Roadway Maintenance

TxDOT roadway maintenance activities do not meet the definition of a regulated construction activity and, therefore, do not require special controls or record keeping for purposes of the TPDES program.

2.3.8 Storm Sewer System and Drainage Ditch Cleaning

TxDOT utilizes two manuals to conduct maintenance: the Maintenance Management Manual (July 2014) and the Maintenance Operations Manual (June 2016). Both manuals provide guidance on how the District will address permit

requirements and resultant stormwater quality. The more recent Hydraulic Design Manual (June 2016) addresses stormwater management, erosion control, and maintenance of control measures.

Roadway maintenance activities, which can reduce the discharge of potential pollutants into the District MS4, were performed at variable frequencies during the reporting period. One of the most significant maintenance activities that affects stormwater runoff quality is routine street and hand sweeping. Street sweeping is normally done once or twice a year, but, on elevated sections, it is performed more often and/or on an as needed basis.

In addition to street and hand sweeping, other roadway maintenance activities for reshaping unpaved shoulders, riprap installation, ditch maintenance, reshaping ditches, and slope repair/stabilization affect stormwater runoff quality. Table 2.3.8 below indicates expenditures for the reporting period over $34,428.00 (Function Codes 522, 560, 561, 562, & 563).

Table 2.3.8		
Storm Sewer System and Drainage Ditch Cleaning		
Function Code	Description	Total
455	Reshaping Unpaved Shoulders	$0.00
522	Street Sweeping	$26,424.00
527	Hand Sweeping	$130.00
560	Riprap Installation and Maintenance	$4,024.00
561	Ditch Maintenance	$2,874.00
562	Reshaping Ditches	$1,106.00
563	Slope Repair/Stabilization	$0.00
	Total	**$34,558.00**

Section 3.0 Post-Construction Stormwater Control Measures

3.1 Areas of New Development and Significant Redevelopment

TxDOT has developed the *Stormwater Planning and Design guidelines for New Development and Significant Redevelopment* for its construction and reconstruction projects. This program addresses water quality and storm water management in early stages of the planning process. Storm water management includes both permanent structural controls and non-structural controls to reduce pollutants from roadway runoff.

The District had no further scheduled activities or requirements for this BMP for this reporting period.

3.2 Flood Control Projects

The District does not construct flood management projects. If the District does propose to construct a flood control project, the SWMP will be updated with applicable control measures for Flood Control Projects and TCEQ will be notified of the change.

Section 4.0 Illicit Discharge Detection and Elimination

The District's SWMP requires implementation of programs that address non-stormwater (illicit) discharges, overflows and infiltration, floatables, household hazardous waste, used motor vehicle fluids, and spill prevention response.

4.1 Illicit and Allowable Discharges

TxDOT exempts the following non-stormwater discharges to the MS4:

- Water line flushing;
- Landscape irrigation;
- Diverted steam flows;
- Rising ground waters;
- Uncontaminated ground water infiltration;
- Uncontaminated pumped ground water;
- Discharges form potable water sources;
- Foundation drains;
- Air conditioning condensation;
- Irrigation water;
- Springs;
- Water from crawl space pumps;
- Footing drains;
- Lawn watering;
- Street wash water;
- Individual residential vehicle washing;
- Wash waters using only potable water which are similar in quality and character to street wash water or individual residential vehicle washing but without the use of detergents or surfactants;
- Flows from riparian habitats and wetlands;
- De-chlorinated swimming pool discharges;
- Other allowable non-stormwater discharges listed in 40 CFR 122.26(d)(2)(iv)(B)(1);
- Other allowable non-stormwater discharges as listed in the TPDES Construction General Permit No. TXR150000 and TPDES Multi-Sector General Permit No. TXR050000, as well as other similar occasional incidental non-stormwater discharges, unless the TCEQ develops permits or regulations addressing these discharges.

4.2 Detection and Elimination of Illicit Discharges

During this permit period, the District retained consultants to continue and expand upon the Districts ongoing mapping and illicit discharge inspection program. The consultants focused on two areas:

- Re-inspection and verification of 100% previously mapped outfall locations.

- Mapping and inspection of new outfalls in areas that have been annexed by the City of Arlington.

The mapping and inspection program was completed by the consultants using TxDOT protocols (ENV 302 and ENV 303) to handle and mitigate any illicit discharge that may be discovered.

4.2.1 Elimination of Illicit Discharges and Improper Disposal

As noted above, TxDOT protocols outline sampling and mitigation measures that will be followed by personnel who are performing field inspections. The protocols are on file with the TxDOT Environmental Division in Austin.

4.3 Overflows and Infiltration

The District neither owns nor operates any municipal sanitary sewer lines within its ROW nor regulates this activity within its ROW. If a sanitary sewer discharges into the District MS4, the District will notify the sewer owner and request that they provide TxDOT with a description of the corrective measures to be taken along with an implementation schedule. If either the measures and/or schedule are deemed unacceptable, or if the owner cannot be located, the case will be referred to the TCEQ for enforcement. In accordance with the permit, all illicit discharges are reported to TCEQ as part of the District's Annual Report. During the reporting period, there were no reportable events.

4.4 Household Hazardous Waste, Used Motor Vehicle Fluids, and Other Wastes

The District has implemented programs to collect used motor vehicle fluids at all of its facilities for recycle, reuse, and/or proper disposal. During the reporting period, 100% of all used motor oils and fluids were collected by a private contractor, Waste Oil Services, Inc. of Fort Worth for recycling. The District also collects hazardous waste materials (including paint and solvents) for recycle, reuse, and/or proper disposal. During the reporting period, 100% of all solvents were collected for cleanup and disposal by a separate contractor, Safety Clean, while all paints were disposed of by the District environmental office.

4.5 MS4 Screening and Illicit Discharge Inspections

As noted in Section 4.2 above, consultants have been hired to continue the Districts ongoing mapping and illicit discharge inspection program.

4.6 NPDES and TPDES Permittee List

The District relies upon the City of Arlington identification of TPDES permitted entities that may discharge to the TxDOT ROW.

4.7 MS4 Map

As noted in Section 4.2, consultants have been hired to continue the Districts ongoing mapping activities and will update the District map as new outfalls are identified.

4.8 Spill Prevention and Response

As noted in Section 2.3.3, TxDOT has an emergency response plan in place with the TCEQ to address the cleanup of oil and hazardous material spills. The District also retains an Emergency Response Contractor to address cleanup when the responsible party of a spill cannot be identified.

Section 5.0 Pollution Prevention and Good Housekeeping for TxDOT Operations

5.1 The Pollution Prevention and Good Housekeeping Program

One important component of the Districts pollution prevention and good housekeeping program is employee training. The TxDOT training program lists over 229 courses. Table 5.1 below indicates employee education courses applicable to our Stormwater program and attendance for the reporting period.

Table 5.1		
Employee Training		
Class Code	Name of Class	Individuals Trained
31SPCC	Spill Prevention Controls & Countermeasures	235
ENV-103	Stormwater Pollution Prevention Plans	0
ENV-300	Stormwater Erosion & Sediment Control, Part 1	90
ENV-301	Stormwater Erosion & Sediment Control, Part 2	6
ENV-414	EMS Awareness Training	20
EMS-432	Construction Overview of Compliance/Enforcement of TPDES	14
EMS-433	Stormwater Environmental Requirements During Construction	19
	Total Individuals Trained	**385**

Another important component of the Pollution Prevention and Good Housekeeping program consists of inspection and maintenance of installed structural controls along the ROW. During routine maintenance activities along the ROW, any deficiencies discovered are noted and repaired by the appropriate maintenance section. During the reporting period, there were no dredge spoils generated that required special handling or disposal.

5.2 Waste Handling

The District has contracted with a private waste handler for the collection and disposal of all wastes that cannot be discharged to the publically owned treatment works (wastewater plant). This contractor is responsible for the proper disposal of any waste in accordance with permits they have been issued by TCEQ.

5.2.1 Wash Waste from Striping Trucks

The District utilizes private contractors for striping operations. These contractors are responsible for the disposal of any wash waste generated by their activities in accordance with permits they have been issued by TCEQ.

5.2.2 Unknown Materials Found Within the Right-of-Way

The District has contracted with a private contractor for the handling, analysis, collection, and proper disposal of any unknown materials found within the ROW. Section 2.3.3 above is used to address all unknown materials found.

5.3 Pesticide, Herbicide, and Fertilizer Application

TxDOT landscape architects continually review application rates of herbicides to determine the minimum amount of product that will achieve the desired result. The determination of application rates are based on the condition of the ROW, types of vegetative plants involved, and other environmental conditions. TxDOT's landscape architects are also responsible for the training and certification of all TxDOT employees assigned to this duty. During the reporting period, 100% of the personnel involved in the application of herbicides were certified for herbicide application. All herbicide related equipment is also inspected and calibrated each year before the season begins. During the reporting period TxDOT spent over $8,782.00 (Function Codes 540, 541, & 542) on chemical vegetative control. Table 5.3 below indicates expenditures for the reporting period.

Table 5.3
Pesticide and Fertilizer Application Expenditures

Function Code	Description	Total
540	Hand Vegetation	$0.00
541	Chemical Vegetation Control, Edges	$8,782.00
542	Chemical Vegetation Control, Overspray	$0.00
544	Chemical Vegetation Control, Rope-Wick	$0.00
545	Chemical Vegetation Control, Basal Application	$0.00
	Total	**$8,782.00**

5.4 List of TxDOT Facilities

TxDOT has no facility within the Arlington city limits.

Section 6.0 Industrial and High Risk Runoff

Not Applicable

The District owns, operates, and maintains the roadways and MS4 within its ROW. There are no industrial or high risk facilities within the District's ROW. If a discharge were being made by an industrial or high risk facility onto District ROW, it would be detected during an illicit discharge inspection. The District has no regulatory authority over any industrial facilities located outside of its ROW, therefore the District relies on TCEQ, and adjacent MS4 programs, as applicable, to regulate these facilities and monitor for pollutants in stormwater discharges to the MS4 from these facilities.

Section 7.0 Construction Site Stormwater Runoff

7.1 Structural and Non-structural Control Measures

During the reporting period, there were a total of five new construction projects within the permitted area. Of these projects, three were 5 or more acres in size and had an NOI; the remaining two had only construction site notifications. The District has implemented a formal review process for all construction projects. One part of this review, requires identification of adequate erosion control measures for the project. All five construction projects, that were initiated during the reporting period, were reviewed for the presence of adequate erosion control measures. The District utilizes private contractors to install and maintain appropriate erosion control measures on all construction projects. These measures limit the possibility of pollutants leaving the site.

7.2 Inspection and Enforcement

The Fort Worth District has implemented a construction inspection program which assures compliance with the permit. The District has implemented a policy of 14-day inspection cycles by TxDOT personnel for each project that has a Stormwater Pollution Prevention Plan (SW3P). If a deficiency is found, the contractor is required to correct the deficiencies noted, and a follow-up inspection is performed. This is an iterative process which ensures 100% compliance. TxDOT inspectors evaluate all installed stormwater control measures specified in the SW3P.

7.3 Site Operator Education and Training

Prior to initiation of construction activities, all contractors must meet with the District Area Engineer in a Pre-Construction meeting and discuss stormwater issues for the construction site. At this meeting, contractors are made aware of SW3P practices and policies as they pertain to the Districts Stormwater Program. Compliance with program policies and practices is emphasized. Additionally, the District delivers educational materials to all contractors, and requires the posting of educational materials on all project boards at construction site entrances.

7.4 Site Operators Permitting Responsibility Notification

At all Pre-Construction meetings, the District notifies site operators of their TPDES permitting responsibilities associated with construction activities. This was accomplished for all projects during the reporting period.

Section 8.0 Public Education, Outreach, Involvement, and Participation

8.1 Public Education and Outreach

In addition to the nationally recognized AAH Program, the District has also conducted educational seminars, held special educational activities, and delivered Public Service Announcements throughout the reporting period. At the seminars and special events, different elements of the AAH program are discussed, materials are distributed, and public participation occurs. Table 8.1(a) below provides a listing of activities held during the reporting period. Table 8.1(b) lists information for Public Service Announcements during the reporting period.

Table 8.1(a) Public Education and Outreach Activities		
Date	Organization	Attendees / Distribution
10/01/2016 - 11/30/2016	During this reporting period, Public Education and Outreach Activities were limited due to the short time period for this report	0
	Total	**0**

All Public Service Announcements were performed during the months of March and April, 2016 which constituted news releases for the Trash-Off Program. No additional PSAs were performed during the reporting period of this partial report.

Table 8.1(b) Public Service Announcements		
Date	Program - Media	Distribution
03/26/2016	News Release - Trash-Off Program - Fort Worth Star Telegram	198,747
04/06/2016	News Release - Trash-Off Program - Fort Worth Star Telegram	279,218
	Total	**477,965**

In addition to these initiatives to provide outreach education, the Texas Department of Transportation – Fort Worth District in cooperation with the North Central Texas Council of Governments works to provide public education for general stormwater issues. The documentation of these activities is available at http://www.nctcog.org/envir/SEEclean/stormwater/index.asp .

8.2 Public Involvement and Participation

During the permit period, more the 60 different civic and school groups and employee organizations participated in litter collection and Trash-Off campaigns each year of the permit. Table 8.2 below lists the names of groups that registered with the District.

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
1G Youth Ministries	Diamond & Kiara Bruce
287 Ryderz Taking Care of Business	Diamondback Printing
29th Judicial District CSCD	Dinosaur Valley State Park
A Little Love Foundation	Dixon Fine Woodworking
A & R Transport	DRT Hill Country Chapter
AAL Organic Matters, LLC	Dublin Dairy Queen
Aetna Generation "Y" Employees	Dublin Lions Club
Albertsons LLC 4279	Dublin Masonic Lodge #504
Aledo Young Democrats	Ducote Insurance Agency
Alpha & Omega Lodge #647 PHA	Dunnigan School Area
Alpha Gamma Delta	Dynasty of Lovely Ladies SC
Alpha Gamma Rho	Earthwise Recycling Corp.
Alpha Phi Alpha Fraternity	Eaton Corporation
Alpha Phi Alpha Zeta Chi Chapter	Edward Jones Investments
Alpha Phi Omega	El Lobo Ranch
Alvarado High School Tennis Team	Emmanuel Lutheran Church
Alvord Area Veterans	Employees of Fibergrate Composite Structures, Inc.
American Legion Post #379	Filipino American Association of Fort Worth
American State Bank Employees	First Baptist Church Granbury
Ascension Lutheran Church Youth Group	First United Methodist Church Granbury
Azle Cub Scouts Pack 243	First United Methodist Church Alvarado
Barnett Jr. High FOCUS Program	Fitzgerald Descendants
Bell Helicopter Textron Employees	Flack Farm in Memory of Mike Flack
Best Homes	FMC Corporation
Birdville Education Foundation	Fort Worth Motorcycle Riders (FWMR)
Black Student Association – UTA	Fossil Rim Wildlife Center Staff & Volunteers
Blue Knights LEMC Texas 1	Foster Home for Children
Boswell & Saginaw High Schools	Friends & Family of Mike Evans
Boy Scouts of America	From Inside the Hourglass Foundation
Boy Scouts of America Troop 50	Garner Equine
Boy Scouts of America Troop 351	Gary Addison
Boy Scouts of America Pack & Troop 353	Gavilan Construction, LLC
Boy Scouts of America Troop 1099	Geo-Tech Foundation Repair
Boyd Lions Club	Girl Scout Troop 173
Boyd Middle School National Honor Society	Girl Scout Troop 3449
Boyd Middle School National Junior Honor Society	Girl Scout Troop 4838
Brad Cavnar Insurance	Girl Scouts of North Lake Trails
Brazos River Charter School	Girls Scout Jr. Troop of Strawn
Bridgeport High School Career & Technical Education	Glen Rose Discount Drug & Gift Shop

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
Brock High School National Honor Society	Glen Rose FFA
Bryson FFA	Godley High School – PALS
Burleson High School FFA	Golden Rule Printing
Burleson Seventh-Day Adventist Church	Granbury High School Student Council
By-Products Express, LLC	Granbury Masonic Lodge #392
C.A.R.E. Community Animal Rescue	Grandview High School – FFA
CAPRON Enterprise	Grandview Masonic Lodge #266
Casa de Campa Alpaca Ranch	Grant Burgess Family
Center for A.S.D. X-cel Program	Greater Runaway Bay Alliance
Cher Wayland & Boys	H.F. Stevens National Junior Honor Society
Chico 4-H Club	Habitat for Humanity
Chisholm Trail Academy	Hampton Inn & Suites, South Arlington
Chisholm Trail Middle School E.C.O.S	Hank Hoaldridge Ministries
Christ Our King Church	Haslet Lions Club
Comanche Peak Marine Corp & ROTC	High Point Church/We Are the Church
Comanche Peak Marine Corp League & ROTC	Hodge H3 + Ranch
Comanche Peak Steam Electric Station	Hood County Young Riders – 4H
Combat Vets Motorcycle Assn Chapter 23-6	Hood County Youth Services
Cottonwood Baptist Church Youth	Hornco Commercial Services
Cowboy Capital Rollergirls	H&R Block
Craig Cameron Family & Double Horn Ranch	Huckabay Student Council
Crowley Blackhawks	In Loving Memory of Danielle Kelton
Crowley High School	In Memory of Alfred Bacon, Sr.
Crowley Neighborhood Watch Group	In Memory of John C. Mitchum
Crowley Professional Fire Fighters Assoc.	In Memory of Nathan Abel
Crowley Seventh Day Adventist Church	In Memory of Rusty
David Eisenberg	Indianetts
David Hall State Farm Agency	Infinity Gas & Oil
Decatur High School	James Peoples Memorial
Deerskin Manufacturing, Inc.	JJ One Test
Delta Alpha Omega	Johnson County Adult Probation
Delta Chi Fraternity	Johnson County Juvenile Services
Delta Sigma Theta Sorority	Joshua 4-H
Delta Xi Nu Sorority	Joshua Christian Academy
Delta Zeta	Joshua High School – NROTC
Kappa Delta Chi	Martin Marietta Materials
Kappa Delta Rho	Medji Shriner's Temple #45
Keep Dublin Beautiful	Members of Disabled American Veterans
Keep Haltom City Beautiful	Members of Emerald Dragon Circle

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
Keep NRH Beautiful	Members of Rainbow Baptist Church
Keller Church of Christ	Metroplex Atheists
Kids Matter	Michael J. Bombonati Jr.
Knights of Columbus & Catholic Daughters	Mid-Cities Democrats
Kwik Kar – Wilshire	Millsap High School
L 5 ACE Program	Mineral Wells High School Key Club
Lake Granbury 4-H	Mineral Wells Professional Firefighters Assoc.
Lake Granbury Kiwanis	Morris Bussey & Family
Lambda Chi Alpha	Mosier Valley Lodge #103 P.H.A.
Lambda Theta Alpha & Lambda Thea Phi	Mountain Lakes Community
Latin American Student Organization	MTM Youth Club
Law Office of Bush and Hyde	Mu Beta Chapter of Omega Psi Phi Fraternity, Inc
Legacy Adoption Services	Multicultural Greek Council of UTA
Legacy High School JROTC Department	My New Group
Lester W. Jordon Jr. Family	NAACP Unit 6810
Life Community Church	NAS JRB Fort Worth E-6 Assoc.
Lifegate Church	National Honor Society Stephenville High School
Lingleville 4-H	National Junior High Society
Lingleville Feedyard	OfficeMax
Lingleville High School	Omega Delta Phi Fraternity, Inc
Lingleville U.S.A., LLC	Omega Delta Phi/Kappa Delta Chi
Lipan 4H Club	One Unit M/C Mother Chapter
Lipan National Honor Society & Lipan FFA	Palo Pinto General Hospital Employees
Literacy Connexus	Panther City Lodge #159 PHA Masons
Lockheed Martin Corporation	Parker County Juvenile Probation
Lone Camp Baptist Church	Parks & Associates Ameriprise Financial
Lone Star Progressives	Phi Alpha Delta
Lost Oak Winery	Pi Kappa Alpha
Maintenance Moms	PK Lake Hands
Management and Training Corporation	Ponde3ra Properties
Management and Training Corporation (MTC)	Portfolio Recovery Associates, LLC
Mansfield Minority Chamber of Commerce	Possum Kingdom Chamber of Commerce
Mansfield Timberview WISC Theatre Co.	Possum Kingdom Lions Club
Professional Farrier Service/Hoof Pros	Sons of Confederate Veterans
Quality Yard Service	Southerlandscaping
Rental Stop	Southlake Heating & Air
Rescue #20 Masonic Lodge F&AM	Southside Baptist Church
Richeson Dairy Queen #1348	Southwire
Richland Hills Masonic Lodge #1348	Springcreek 4-H Club

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
River Oaks Lions Club	Springcreek Baptist Church
Riverbend Landscaping	St. Ann's Youth
Riverbend Retreat Center Staff & Friends	St. Matthew Cumberland Presbyterian Church
Rocky Point Christian Academy	Stagecoach Roofing
Rocky Top Ranch	Starbucks
Royal Pranksters Riding Club	Stark Service Company
Rusty Arnold Memorial	State Farm Insurance
S.W.A.G. Southwest Arlington Geocachers	Stephenville Lions Club
Scared Moments Christian Sorority	Steve Ernst Insurance
Saginaw Community Emergency Response Team C.E.R.T.	Stober Camping Mafia
Samantha Springs Water Delivery Service	Strawn ISD Student Council
Sean M. Cerone, DDS, PA	Student Wildlife Society
Segway Fort Worth	Super Value Pharmacy
Selden Picker	Sylvia Hibbler Memorial
Shalyn S. Clark Insurance Agency	T.D. Ameritrade Professionals
Shane's Law Maintenance, Inc.	Take Time for Texas
Shepherd's Heart Church Green Light Ministries	Tarleton Professional Educators
SHS Lunch Bunch	Tarleton Serves
Shurtleff Family	Tarleton Upward Project
Sierra Dairy	Tarrant County Sheriff's Labor Board
Sigma Chi Fraternity Kappa Xl	TCC Construction Management Students
Sigma Gamma Rho Sorority – Nu Iota Chapter	TD Ameritrade Corporate Services
Sigma Gamma Rho/Zeta Delta Sigma	Team S.T.R.O.N.G.
Sigma Lambda Beta – Chi Alpha Chapter	Team Tr3Love
Sigma Lambda Gamma Sorority Omicron Beta Chapter	Texas 801 AF Jr. ROTC
Six R, Inc	Texas Adventist Emergency Communication
Slide-Lok of P.K. Lake	Texas Agricultural Experiment Station
Smithfield Masonic Lodge #455	Texas Brahmas Fan Club
Somervell County 4-H	Texas Power, LP
Somervell County Juvenile Services	Texas Star Designer Homes
Son Worshipers Motorcycle Ministry	TexComm Company
The Beau Fest Organization	UTA – ITE & TSPE
The Bessire Faimily	Valley Grove Baptist Church
The Biggars Family	Veterans of Foreign Wars Post 4746
The Burenheide Family	Vic McLane State Farm
The Corky Underwood Family	Wal-Mart Neighborhood Market Store #3392
The Dalton Family	Wal-Mart Supercenter #807
The Destiny Center – Royal Rangers Girls Ministries	Wal-Mart Supercenter #3274
The Grove	Wal-Mart Supercenter #2980 & #5247

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
The Harbor	Wal-Mart Supercenter #5080 & #5312
The Huffaker Family	Waverly Park Garden Club
The Levell Family & the Coker Family	Weatherford Boy Scout Troup 76
The Mark Murphy Family	Weatherford Chamber Junior Ambassadors
The Moore Family	Weatherford High School – PAL
The National Vietnam War Museum	Weatherford NORML
The Ranch Owners Association	Western Hills High School Key Club
The Sigma Chi Fraternity, Theta Kappa Chapter	Western Hills High School AFJROTC
Tim & Susan Matheus	Wise County Adult Probation 1
Tim's Towing (Springtown Imports)	Wise County Adult Probation 2
Tolar Baptist Church Youth Group	Wise Republican Women
Tolar City Council	Witt Plumbing Company
Tolar FFA Chapter	Woodforest National Bank Employees
Treetops School	YMCA Camp Grady Spruce
TSU Athletic Dept.	Young Men's Service League (Trailblazer)
TSU Block & Bridle	Zeta Phi Beta Sorority, Inc. OBZ
TSU Dairy Club	
TSU Music Organization	
TSU Music Organization (Kappa Kappa Psi)	
TSU Music Organization (Mu Phi Epsilon)	
TSU Music Organization (Phi Mu Alpha Sinfonia)	
TSU Music Organization (Tau Beta Sigma)	
TSU Sigma Alpha	
TSU State Plowboys	
TSU Student Government Association	
Tx 031 AFJROTC Wing	
Unbreakable Ryders M.C.	
United Methodist Motorcycle Enthusiasts	
US Air Force Recruiting Service 344 RCS	

Section 9.0 Monitoring Evaluation and Reporting

9.1 Dry Weather Screening Program

During this permit period, all Dry Weather Screening Program activities had been completed by consultants who had been retained to manage and conduct the Districts dry weather screening program. The consultants were focused on two areas:

- Screening of 100% of known outfall locations in the permit area, and
- Identification, mapping, and inspection of new outfalls within the permitted area.

As the mapping and inspection program progressed, the consultants implemented TxDOT protocols to respond to and mitigate any illicit discharge that may have been discovered. The mapping and inspection program was completed prior to this report.

9.2 Wet Weather Screening Program

The Fort Worth District has executed an agreement with the North Central Texas Council of Governments (NCTCOG) to participate in the Dallas-Fort Worth Regional Wet Weather Characterization Program (RWWCP).

The NCTCOG RWWCP Plan for the Permit Term was submitted to TCEQ and approved on February 11, 2011, which is hereby incorporated by reference. The RWWCP protocol and Quality Assurance Project Plan are also incorporated by reference. Both reports are on file at the District Operations office and the North Central Texas Council of Governments.

9.3 Industrial and High Risk Monitoring Program

The District owns, operates, and maintains the roadways and MS4s within its ROW and there are no industrial or high risk facilities within the District's ROW. Therefore, this program does not apply to TxDOT. However, the District does perform environmental reviews of roadway construction projects. The reviews include hazardous materials assessments to identify nearby industrial and other high risk facilities which may impact a proposed construction project from a stormwater quality, waste management, and health and safety perspective. As appropriate, these initial assessments are supplemented with subsurface investigations, which typically include collection and analysis of soil and water samples, to determine the full impact upon the project. As a result of these efforts, the construction projects are designed to avoid, minimize and/or mitigate impacts associated with industrial and high risk facilities.

9.4 Storm Event Discharge Monitoring

TPDES permit No. WQ000046350000 requires the District to select one of three wet weather characterization sampling programs. The Fort Worth District has executed an agreement with NCTCOG to participate in the Dallas-Fort Worth RWWCP (Permit Section IV.A.3.). See section 9.2 above.

9.5 Floatables Monitoring

Floatables monitoring is performed by the City of Arlington and the results are included in the annual report submitted by the City of Arlington.

Section 10.0 Area Specific Requirements

The Texas Surface Water Quality Standards establish water quality goals and provide a basis for regulatory programs to attain those goals. Water quality standards identify water bodies in which the quality may be inadequate to meet its "designated uses." In Texas, the following water use categories are defined: aquatic life use, general, public water supply, contact recreation, and fish consumption. The TCEQ will identify a water body in the Texas Integrated Report for Clean Water Act Sections 305(b) and 303(d), should data reveal water quality does not meet the water body's designated use. Once a water body is on the state's 303(d) list, then that water body is subject to a Total Maximum Daily Load (TMDL) assessment.

The 303(d) list water bodies are located at the following TCEQ website:

http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/305_303.html

Section 11.0 Deadlines for SWMP Compliance

TPDES Permit No. WQ00046350000 requires full implementation of the SWMP upon issuance. However, the TCEQ can issue a compliance schedule for certain items contained in the SWMP and/or specify a timeline for compliance as part of the permit. All permit required deadlines were attained by the District.

Section 12.0 Roles and Responsibilities

Per permit requirements, the SWMP, together with any interagency agreements, have identified the roles and responsibilities of TxDOT and the District. Roles and responsibilities for TPDES Permit Citation Part III.B requirements are included in Appendix D of the SWMP which has been incorporated by reference. The District is a party to one stormwater related Inter-local Agreement with the North Central Texas Council of Governments which provides funding and participation in the RWWCP. The District is a co-Permittee with the City of Arlington and University of Texas - Arlington.

Section 13.0 Legal Authority

The Texas Transportation Commission, as provided in Article 6673, Vernon's Annotated Texas Statutes (V.A.T.S.), is authorized to plan, construct, operate, and maintain the state highways system in Texas. TxDOT is the state agency charged with carrying out this authorization. It is stated in Article 6674w-3, V.A.T.S., that TxDOT may acquire lands for the purpose, among many others, of draining any state highway. The statutes, along with rules set forth in the Texas Administrative Code (TAC), give TxDOT the power to construct, operate, and maintain a drainage system for state highways to accommodate the stormwater that originates within, and reaches highway right-of-ways.

TxDOT contracts with others for the construction, and sometimes for the maintenance, of these systems. Article 6674k, V.A.T.S., provides that the form of such contracts must be prescribed by the Texas Transportation Commission and may contain language advantageous to the state. The department may control these systems in this manner. Article 6673b, V.A.T.S., allows TxDOT to enter into necessary contracts with cities regarding various aspects of state highways within their corporate limits. TxDOT, through the TAC, has adopted rules governing these agreements. As a result, there are Municipal Maintenance Agreements with cities that outline the responsibilities regarding, among other things, the maintenance of the highways, which would include the maintenance of the drainage systems appurtenances to the highways.

The TAC further provides that when others desire to cross highways with a drainage facility, the design, construction, operation, and maintenance of the facility must be acceptable to TxDOT. The statutes of the State of Texas give TxDOT the power to control, virtually, all of the activities occurring within the ROW but there is little, if any, authority to regulate discharges occurring off the ROW and flowing into state maintained drainage systems.

Section 14.0 SWMP Resources

TxDOT provides adequate finances, staff, equipment, and support capabilities to implement activities specified in the SWMP. The District spends program funding on litter removal, street sweeping, spot litter pick-up, Adopt-a-Highway programs, vegetation control, ditch maintenance, culvert and storm drain maintenance, stormwater construction activities, and channel maintenance. The cost of District environmental and stormwater training classes are charged to the overhead of each section being trained and are not specifically tracked for stormwater costs. Public involvement and education programs are funded by TxDOT. In the past, some minor funding for specific tasks has come out of the overhead of the District's Advance Project Development section.

All funding for stormwater maintenance, administration and training, and public involvement and education originates with the Texas Legislature and is allocated by this legislature to the department.

Allocation of funds for environmental controls, stormwater management, and training are projected to remain somewhat constant for the foreseeable future. The funding described herein for environmental control, stormwater management, and training do not include money that will be spent directly by the TxDOT on public awareness, public education, promotion, and public reporting programs statewide.

These funds are allocated to the District through TxDOT from the State Highway Trust Fund, which, in turn, receives its funding from the following sources:

- Motor Fuel Tax (46 percent);
- Vehicle Registration Fees (18 percent);
- Lubricant Sales Tax (one percent); and,
- Federal Reimbursements (31 percent).

Annual Stormwater related Function Code expenditures for this reporting period are listed in Table 14.0 below.

Table 14.0
Program Expenditures by Function Code

Function Code	Description	Total
455	Reshaping Unpaved Shoulders	$0.00
511	Mowing	$80,961.00
513	Spot Mowing	$388.00
520	Illegal Dumpsite Removal and Disposal	$0.00
521	Litter	$30,910.00
522	Street Sweeping	$26,424.00
523	Debris	$31,790.00
524	Spot Litter	$1,917.00

Table 14.0		
Program Expenditures by Function Code		
Function Code	Description	Total
525	Adopt-A-Highway	$507.00
526	Sweeping Ice Rock	$0.00
527	Hand Sweeping	$130.00
540	Hand Vegetation	$0.00
541	Chemical Vegetation Control, Edges	$8,782.00
542	Chemical Vegetation Control, Overspray	$0.00
544	Chemical Vegetation Control, Rope-Wick	$0.00
545	Chemical Vegetation Control, Basal Application	$0.00
548	Seeding, Sodding, Hydro-mulching and Blanketing	$0.00
551	Landscaping	$7,890.00
552	Tree and Brush Control	$673.00
558	Stormwater Pollution Protection	$39.00
560	Riprap Installation and Maintenance	$4,024.00
561	Ditch Maintenance	$2,874.00
562	Reshaping Ditches	$1,106.00
563	Slope Repair/Stabilization	$0.00
570	Culvert and Storm Drain Maintenance	$6,579.00
571	Stormwater Pump Station Maintenance	$0.00
620	Bridge Channel Maintenance	$0.00
809	Assistance to Traffic - Flood Water Removal	$0.00
810	Assistance to Traffic - Debris Removal	$0.00
811	Assistance to Traffic - Snow and Ice	$0.00
814	Assistance to Traffic - Erosion Control	$0.00
830	Hazardous Materials Cleanup, Spills or Leaking Storage Tanks	$102.00
831	Hazardous Materials Cleanup - Abandoned Materials	$0.00
	Total	**$205,096.00**

Section 15.0 SWMP Review and Updates

The SWMP program is evaluated annually to determine the plan's effectiveness and efficiency. The SWMP will be revised as necessary to support needed changes based on the SWMP evaluation and/or requests made through permit requirements. The annual review of the current SWMP will be conducted in conjunction with the preparation of the annual report, and/or permit renewal process, required under this permit. If required, the SWMP will be revised by TxDOT during the term of the permit in accordance with the approved permit procedures. While not anticipated, TxDOT will implement the SWMP on all new areas added to their portion of the MS4 (or for which they become responsible for implementation of stormwater quality controls) as expeditiously as practicable, but not later than three years from addition of the new areas. Within 90 days of a transfer of ownership, operational authority, or responsibility for SWMP implementation, TxDOT will create a plan for implementing the SWMP on all affected areas.

Section 16.0 Retention of SWMP Records

The Fort Worth District SWMP is on file with TCEQ and a copy is maintained at the Fort Worth District office located at 2501 S.W. Loop 820, Fort Worth, Texas 76133.

TxDOT retains the SWMP and all associated records for the permit term, plus three years after coverage under the permit terminates. This holding period is consistent with the permit required retention.

Section 17.0 Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.

12/11/17
(Date)

Loyl Bussell, P.E.
District Engineer
Fort Worth District



Fort Worth District

Municipal Separate Storm Sewer System Annual Report

City of Fort Worth, Texas Department of Transportation and Tarrant Water Control District

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TPDES Permit No. WQ0004350000
July 29, 2016 – November 30, 2016

Partial Reporting Year due to TxDOT's New Phase II Permit issued by TCEQ on November 30, 2016.

Texas Department of Transportation
Fort Worth District
2501 SW Loop 820
Fort Worth, TX 76133

August 31, 2017

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Section 1.0 Introduction

1.1 Background

On July 29, 2011, the Texas Commission on Environmental Quality (TCEQ) issued Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004350000 (Permit) to the Texas Department of Transportation (TxDOT) – Fort Worth District (District) as a co-permittee to the City of Fort Worth and Tarrant Water Control District. This Permit authorizes the District to discharge from the TxDOT Municipal Separate Storm Sewer System (MS4), located within the corporate boundary of the City of Fort Worth, and served by or otherwise contributing to discharges to the MS4(s) owned or operated by the permittees, located in Tarrant, Denton, Parker and Wise Counties, Texas, 76101-76124, 76126, 76127, 76129-76137, 76140, 76147, 76148, 76150, 76155, 76161-76164, 76166, 76177, 76179-76182, 76185, 76191-76193, 76195-76199 and 76244 via the MS4 to various ditches and tributaries that eventually reach the West Fork Trinity River Below Lake Worth, Lake Worth, West Fork Trinity River Below Eagle Mountain Reservoir, Eagle Mountain Reservoir, Grapevine Lake, Lake Arlington, Clear Fork Trinity River Below Benbrook Lake, Benbrook Lake, and Lower West Fork Trinity River in Segment Numbers 0806, 0807, 0808, 0809, 0826, 0828, 0829, 0830 and 0841 of the Trinity River Basin.

In accordance with the Permit, Part III, the District prepared and implemented a comprehensive Stormwater Management Plan (SWMP) which includes pollution prevention measures, pollutant removal techniques, stormwater monitoring, and other appropriate means to control the quality of stormwater discharged from the MS4 to the Maximum Extent Practicable (MEP).

The District has prepared this partial year 5 Annual Report as required by Part IV.C of the Permit. The partial year reporting is due to the issuance of a new Phase II Permit for transportation entities issued to the Texas Department of Transportation on November 30, 2016 by TCEQ.

1.2 Changes to the Stormwater Management Program

The District Stormwater Management Plan (SWMP) was updated with non-substantive changes related to revise formatting of the document and Table of Contents modifications in August 2012. Revisions were also related to making the SWMP format consistent with current TCEQ review guidelines.

Section 2.0 MS4 Maintenance Activities

2.1 Structural Controls

TxDOT has implemented a statewide Maintenance Management System (MMS), known as COMPASS, which is used for planning, decision support, and reporting of maintenance activities. COMPASS tracks information by Function Code. A Function Code describes the activity being engaged in when TxDOT resources are being consumed. Table 14.0 has a complete listing of Function Codes, referenced throughout this report, that are used to track activities impacting the District's Stormwater Program.

During the reporting period, TxDOT spent $220,074.00 on cleaning, reshaping of ditches, and slope repair and stabilization (Function Code 561, 562, and 563) and $80,797.00 for storm sewer and inlet maintenance (570 & 571). See Table 2.1.

Table 2.1

Structural Controls Maintenance Expenditures

Function Code	Description	Total
561	Ditch Maintenance	$49,015.00
562	Reshaping Ditches	$58,555.00
563	Slope Repair/Stabilization	$31707.00
570	Culvert and Storm Drain Maintenance	$80,797.00
571	Stormwater Pump Station Maintenance	0.00
620	Bridge Channel Maintenance	0.00
	Total	**$220,074.00**

2.2 Floatables

2.2.1 Litter Pickup

A TxDOT pilot program which was started in 1985 has now grown into the nationally and internationally recognized programs known as Don't Mess with Texas (www.dontmesswithtexas.org) and Adopt-A-Highway (AAH).

The AAH program reduces the discharge of floatables into the MS4 by engaging volunteer groups in different litter collection activities throughout the year. The District has successfully implemented two separate components of the AAH litter pickup program, which has resulted in a significant reduction of floatables to the MS4. A primary component of the AAH program is the roadway section adoption; where individuals, or groups, adopt and become responsible for litter collection along a specified roadway section. The assigned groups have visited their adopted sections numerous times during the reporting period. Another component of the AAH program implemented by the District is the annual Trash-Off campaign; where volunteer groups participate in a one day litter cleanup event. Table 2.2.1(a) below displays the results for both components of the program.

Table 2.2.1(a) AAH Program Results for the Reporting Period		
Program Component	Bags Litter Collected	Volunteers
AAH Regular Collection Results	1,966	180
AAH Trash-Off Program Results	344	284
Totals	**2,310**	**464**

In addition to the events listed above, the District also uses private contractors to perform litter collection along the TxDOT right-of-way (ROW). Private contractors were utilized during this reporting period. Because of contracting requirements, the contractor collection services are awarded for a specified number of acres along an assigned section(s) of roadway. Therefore, contractors keep a record of how many acres they collect litter on rather than the volume of litter collected. Table 2.2.1(b) below displays the results of private contractor litter collection for the reporting period.

Table 2.2.1(b) Contract Litter Collection for the Reporting Period			
Contractor Name	Date	Acres Collected	Contract Expense
Liberty Proclaimed Ministry	7/28/16 - 11/30/16	6,792	$220,206.00
Lift for Life Outreach Center	7/28/16 - 11/30/16	7,328	$204,048.00
Totals		**14,120**	**$424,254.00**

2.2.2 Source Control and Monitoring

During the reporting period the District spent approximately $1,073,368.00 on litter control and debris removal activities. Table 2.2.2 below indicates expenditures for the reporting period.

Table 2.2.2 Source Control Monitoring Expenditures		
Function Code	Description	Total
521	Litter	$424,254.00
522	Mechanical Sweeping	$254,053.00
523	Debris	$367,371.00
524	Spot Litter	$16,867.00
525	Adopt-A-Highway	$6,597.00
527	Hand Sweeping	$4,226.00
810	Assistance to Traffic - Debris Removal	$0.00
	Total	**$1,073,368.00**

2.3 Roadways

The District has implemented an effective combination of best management practices (BMPs) specifically targeted to the operation and maintenance of our roadways and facilities in a manner that consistently minimizes the discharge of potential pollutants. The following sections provide detailed information about the specific BMPs implemented by the District.

2.3.1 Mowing and Vegetation Management

TxDOT's use of vegetated buffers requires extensive mowing and vegetation management, and is an important part of the maintenance program. To ensure that these non-structural controls continue to operate at peak efficiency, careful attention is paid to mowing and vegetation maintenance activities. Expenditures for mowing and spot mowing, within the District ROW, amounted to $825,959.00 during the reporting period; while seeding, sodding, hydro-mulching, landscaping, and tree and brush control was performed in the previous reporting period. During this reporting period, TxDOT spent over $911,311.00 on mowing and vegetative management items. Table 2.3.1 below indicates expenditures for the reporting period.

Table 2.3.1

Mowing and Vegetation Management Expenditures

Function Code	Description	Total
511	Mowing	$801,281.00
513	Spot Mowing	$24,678.00
548	Seeding, Sodding, Hydro-mulching and Blanketing	$0.00
551	Landscaping	$52,932.00
552	Tree and Brush Control	$32,420.00
	Total	**$911,311.00**

2.3.2 Materials Storage / Stockpiles

The District's Division of Occupational Safety has implemented a program of inspection at each District/Section maintenance facility, see Table 2.3.2, with an objective to note hazards within the workplace that may contribute to employee accidents or violate state and federal regulations (including water quality). An important component of this program addresses material storage and stockpiles to ensure they comply with state and federal regulations and do not have any potential effect on local water quality. The District performs these inspections on a semi-annual basis.

Table 2.3.2

District Facilities

Facility Name	Address	Times Inspected
Fort Worth Maintenance Office	5501 McCart Ave, Ft Worth, 76133	4

2.3.3 Spill Response

When TxDOT discovers or is notified of hazardous material spills on its ROW, the District has an emergency response plan in place with the TCEQ to address the cleanup of oil and hazardous material spills. TxDOT has implemented an Interagency Agreement with TCEQ, which provides for cleanup of spills throughout the State. Implementation of the Interagency Agreement is accomplished through TxDOT Headquarters Maintenance Division and the TCEQ "Spill Response Unit." The District also retains an Emergency Response Contractor to assist with cleanups anytime they are found in the District.

In addition to the Interagency Agreement, the District may incur additional expense for emergency spill-related activities. When the District incurs costs for emergency response, it is accounted for as an overhead item by the Maintenance section responsible for the area in which the incident occurred. Table 2.3.3 below indicates expenditures for the reporting period.

Table 2.3.3

Spill Response Expenditures

Function Code	Description	Total
520	Illegal Dumpsite Removal and Disposal	$10,487.00
830	Hazardous Materials Clean-up - Spills or Leaking Storage Tanks	$1,073.00
831	Hazardous Materials Clean-up - Abandoned Materials	$0.00
	Total	**$86,157.00**

2.3.4 Bridge, Heavy Equipment and Paint Removal

All paint removal projects within the District are performed by private contractors. Contractors monitor paint removal projects to ensure that potentially hazardous materials do not adversely affect the environment. Prior to any paint removal activities, testing is performed to determine proper removal and disposal options. Containment, abatement, and removal are performed, when warranted, in accordance with all federal regulations to ensure no adverse impacts on local water quality.

2.3.5 Other Maintenance Considerations

When requested, TxDOT has granted the temporary use of the ROW for investigation and remediation of leaking petroleum storage tanks (LPST). Applicants are either private property owners or public entities. With cooperation from the TCEQ, TxDOT has successfully implemented an agreement process with LPST site owners and contractors. Applicants are required to follow an abbreviated planning and design process for the investigation and remediation stages. This process has substantially reduced soil disturbances within the ROW during all stages of the work.

2.3.6 Sanding and De-icing Activities

Removal of snow and ice from the roadway is classified as an emergency operation that takes precedence over all other work to ensure public safety. The preferred method of maintaining a safe roadway during icy conditions is through the use of sand, without salt. Only during the most severe conditions are other measures used. Since 2007, TxDOT has utilized more environmentally friendly deicing agents. Meltdown 20™ and calcium

magnesium acetate (CMA) are now being used in place of salts for severe conditions. During and after the icy conditions, inspections are conducted to ensure proper cleanup operations minimize pollutant discharge from the District MS4.

During this reporting period the district and regional area did not experience any days of freezing weather due the reporting period of July 29, 2016 through November 30, 2016. Due to the time frame of this reporting period, TxDOT did not experience the large expenditures for Sanding and Deicing Activities which had been exhibited in previous reporting years. Table 2.3.6 below would reflect any expenses incurred if the reporting period covered the complete Annual Report period which normally has large expenditures for the prescribed activities which would be normally experienced.

Table 2.3.6
Sanding and De-icing Activities Expenditures

Function Code	Description	Total
526	Sweeping Ice Rock	$0.00
811	Assistance to Traffic – Snow and Ice	$0.00
	Total	**$0.00**

2.3.7 Roadway Maintenance

TxDOT roadway maintenance activities do not meet the definition of a regulated construction activity and, therefore, do not require special controls or record keeping for purposes of the TPDES program.

2.3.8 Storm Sewer System and Drainage Ditch Cleaning

TxDOT utilizes two manuals to conduct maintenance: the Maintenance Management Manual (July 2014) and the Maintenance Operations Manual (June 2016). Both manuals provide guidance on how the District will address permit requirements and resultant stormwater quality. The more recent Hydraulic Design Manual (June 2016) addresses stormwater management, erosion control, and maintenance of control measures.

Roadway maintenance activities, which can reduce the discharge of potential pollutants into the District MS4, were performed at variable frequencies during the reporting period. One of the most significant maintenance activities that affects stormwater runoff quality is routine street and hand sweeping. Street sweeping is normally done once or twice a year, but, on elevated sections, it is performed more often and/or on an as needed basis.

In addition to street and hand sweeping, other roadway maintenance activities for reshaping unpaved shoulders, riprap installation, ditch maintenance, reshaping ditches, and slope repair/stabilization affect stormwater runoff quality. Table 2.3.8 below indicates expenditures for the reporting period.

Table 2.3.8		
Storm Sewer System and Drainage Ditch Cleaning		
Function Code	Description	Total
522	Street Sweeping	$385,455.00
527	Hand Sweeping	$0.00
560	Rip Rap Installation and Maintenance	$164,644.00
561	Ditch Maintenance	$80,158.00
562	Reshaping Ditches	$334,217.00
563	Slope Repair/Stabilization	$73,235.00
	Total	**$987,709.00**

Section 3.0 Post-Construction Stormwater Control Measures

3.1 Areas of New Development and Significant Redevelopment

TxDOT has developed the *Stormwater Planning and Design guidelines for New Development and Significant Redevelopment* for its construction and reconstruction projects. This program addresses water quality and storm water management in early stages of the planning process. Storm water management includes both permanent structural controls and non-structural controls to reduce pollutants from roadway runoff.

The District had no further scheduled activities or requirements for this BMP for this reporting period.

3.2 Flood Control Projects

The District does not construct flood management projects. If the District does propose to construct a flood control project, the SWMP will be updated with applicable control measures for Flood Control Projects and TCEQ will be notified of the change.

Section 4.0 Illicit Discharge Detection and Elimination

The District's SWMP requires implementation of programs that address non-stormwater (illicit) discharges, overflows and infiltration, floatables, household hazardous waste, used motor vehicle fluids, and spill prevention response.

4.1 Illicit and Allowable Discharges

TxDOT exempts the following non-stormwater discharges to the MS4:

- Water line flushing;
- Landscape irrigation;
- Diverted steam flows;
- Rising ground waters;
- Uncontaminated ground water infiltration;
- Uncontaminated pumped ground water;
- Discharges form potable water sources;
- Foundation drains;
- Air conditioning condensation;
- Irrigation water;
- Springs;
- Water from crawl space pumps;
- Footing drains;
- Lawn watering;
- Street wash water;
- Individual residential vehicle washing;
- Wash waters using only potable water which are similar in quality and character to street wash water or individual residential vehicle washing but without the use of detergents or surfactants;
- Flows from riparian habitats and wetlands;
- De-chlorinated swimming pool discharges;
- Other allowable non-stormwater discharges listed in 40 CFR 122.26(d)(2)(iv)(B)(1);
- Other allowable non-stormwater discharges as listed in the TPDES Construction General Permit No. TXR150000 and TPDES Multi-Sector General Permit No. TXR050000, as well as other similar occasional incidental non-stormwater discharges, unless the TCEQ develops permits or regulations addressing these discharges.

4.2 Detection and Elimination of Illicit Discharges

During this reporting period, the District has retained consultants to continue and expand upon the Districts ongoing mapping and illicit discharge inspection program. The consultants will focus on two areas:

- Re-inspection and verification of 100% previously mapped outfall locations.
- Mapping and inspection of new outfalls in areas that have been annexed by the City of Fort Worth.

As the mapping and inspection program progresses the consultants will implement TxDOT protocols (**ENV 302** and **ENV 303**) to handle and mitigate any illicit discharge that may be discovered.

4.2.1 Elimination of Illicit Discharges and Improper Disposal

As noted above, TxDOT protocols outline sampling and mitigation measures that will be followed by personnel who are performing field inspections. The protocols are on file with the TxDOT Environmental Division in Austin.

4.3 Overflows and Infiltration

The District neither owns nor operates any municipal sanitary sewer lines within its ROW nor regulates this activity within its ROW. If a sanitary sewer discharges into the District MS4, the District will notify the sewer owner and request that they provide TxDOT with a description of the corrective measures to be taken along with an implementation schedule. If either the measures and/or schedule are deemed unacceptable, or if the owner cannot be located, the case will be referred to the TCEQ for enforcement. In accordance with the permit, all illicit discharges are reported to TCEQ as part of the District's Annual Report. During the reporting period, there were no reportable events.

4.4 Household Hazardous Waste, Used Motor Vehicle Fluids, and Other Wastes

The District has implemented programs to collect used motor vehicle fluids at all of its facilities for recycle, reuse, and/or proper disposal. During the reporting period, 100% of all used motor oils and fluids were collected by a private contractor, Waste Oil Services, Inc. of Fort Worth for recycling. The District also collects hazardous waste materials (including paint and solvents) for recycle, reuse, and/or proper disposal. During the reporting period, 100% of all solvents were collected for cleanup and disposal by a separate contractor, Safety Clean, while all paints were disposed of by the District environmental office.

4.5 MS4 Screening and Illicit Discharge Inspections

As noted in Section 4.2 above, consultants have been hired to continue the Districts ongoing mapping and illicit discharge inspection program.

4.6 NPDES and TPDES Permittee List

The District relies upon the City of Fort Worth for identification of TPDES permitted entities that may discharge to the TxDOT ROW.

4.7 MS4 Map

As noted in Section 4.2, consultants have been hired to continue the Districts ongoing mapping activities and will update the District map as new outfalls are identified.

4.8 Spill Prevention and Response

As noted in Section 2.3.3, TxDOT has an emergency response plan in place with the TCEQ to address the cleanup of oil and hazardous material spills. The District also retains an Emergency Response Contractor, Protect Environmental, to address cleanup when the responsible party of a spill cannot be identified.

Section 5.0 Pollution Prevention and Good Housekeeping for TxDOT Operations

5.1 The Pollution Prevention and Good Housekeeping Program

One important component of the Districts pollution prevention and good housekeeping program is employee training. The TxDOT training program lists over 229 courses. Table 5.1 below indicates employee education courses applicable to our Stormwater program and attendance for the reporting period.

Table 5.1		
Employee Training		
Class Code	Name of Class	Individuals Trained
31SPCC	Spill Prevention Controls & Countermeasures	235
ENV 103	Stormwater Pollution Prevention Plans	0
ENV 300	Stormwater Erosion & Sediment Control, Part 1	90
ENV 301	Stormwater Erosion & Sediment Control, Part 2	6
ENV 414	EMS Awareness Training	20
ENV 432	Construction Ovewrview of Compliance/Enforcement of TPDES	14
ENV 433	Stormwater Environmental Requirements During Construction	19
	Total Individuals Trained	**385**

Another important component of the Pollution Prevention and Good Housekeeping program consists of inspection and maintenance of installed structural controls along the ROW. During routine maintenance activities along the ROW, any deficiencies discovered are noted and repaired by the appropriate maintenance section. During the reporting period, there were no dredge spoils generated that required special handling or disposal.

5.2 Waste Handling

The District has contracted with a private waste handler for the collection and disposal of all wastes that cannot be discharged to the publically owned treatment works (wastewater plant). This contractor is responsible for the proper disposal of any waste in accordance with permits they have been issued by TCEQ.

5.2.1 Wash Waste from Striping Trucks

The District utilizes private contractors for striping operations. These contractors are responsible for the disposal of any wash waste generated by their activities in accordance with permits they have been issued by TCEQ.

5.2.2 Unknown Materials Found Within the Right-of-Way

The District has contracted with a private contractor for the handling, analysis, collection, and proper disposal of any unknown materials found within the ROW. Section 2.3.3 above is used to address all unknown materials found.

5.3 Pesticide, Herbicide, and Fertilizer Application

TxDOT landscape architects continually review application rates of herbicides to determine the minimum amount of product that will achieve the desired result. The

determination of application rates are based on the condition of the ROW, types of vegetative plants involved, and other environmental conditions. TxDOT's landscape architects are also responsible for the training and certification of all TxDOT employees assigned to this duty. During the reporting period, 100% of the personnel involved in the application of herbicides were certified for herbicide application. All herbicide related equipment is also inspected and calibrated each year before the season begins. During the reporting period, TxDOT spent $196,568.00 on chemical vegetative control. Table 5.3 below indicates expenditures for the reporting period.

Table 5.3

Pesticide and Fertilizer Application Expenditures

Function Code	Description	Total
540	Hand Vegetation	$2,252.00
541	Chemical Vegetation Control, Edges	$147,145.00
542	Chemical Vegetation Control, Overspray	$3,789.00
544	Chemical Vegetation Control, Rope-Wick	$0.00
545	Chemical Vegetation Control, Basal Application	$0.00
	Total	**$153,186.00**

5.4 List of TxDOT Facilities

Only one TxDOT facility is within the Fort Worth city limits. This facility serves as the District Headquarters, a storage yard, and a maintenance facility. The facility is inspected at least twice per year for compliance with the requirements of the TPDES program. If a deficiency is noted, it is promptly addressed.

Section 6.0 Industrial and High Risk Runoff

Not Applicable

The District owns, operates, and maintains the roadways and MS4 within its ROW. There are no industrial or high risk facilities within the District's ROW. If a discharge were being made by an industrial or high risk facility onto District ROW, it would be detected during an illicit discharge inspection. The District has no regulatory authority over any industrial facilities located outside of its ROW, therefore the District will rely on the TCEQ, and adjacent MS4 programs, as applicable, to regulate these facilities and monitor for pollutants in stormwater discharges to the MS4 from these facilities.

Section 7.0 Construction Site Stormwater Runoff

7.1 Structural and Non-structural Control Measures

During the reporting period, there were a total of 6 new construction projects within the permitted area. Of these projects, all six were 5 or more acres in size and had an NOI. The District has implemented a formal review process for all construction projects. One part of this review requires identification of adequate erosion control measures for the project. All six construction projects, which were initiated during the reporting period, were reviewed for the presence of adequate erosion control measures. The District utilizes private contractors to install and maintain appropriate erosion control measures on all construction projects. These measures limit the possibility of pollutants leaving the site.

7.2 Inspection and Enforcement

The Fort Worth District has implemented a construction inspection program which assures compliance with the permit. The District has implemented a policy of 14-day inspection cycles by TxDOT personnel for each project that has a Stormwater Pollution Prevention Plan (SW3P). If a deficiency is found, the contractor is required to correct the deficiencies noted, and a follow-up inspection is performed. This is an iterative process which ensures 100% compliance. TxDOT inspectors evaluate all installed stormwater control measures specified in the SW3P.

7.3 Site Operator Education and Training

Prior to initiation of construction activities, all contractors must meet with the District Area Engineer in a Pre-Construction meeting and discuss stormwater issues for the construction site. At this meeting, contractors are made aware of SW3P practices and policies as they pertain to the Districts Stormwater Program. Compliance with program policies and practices is emphasized. Additionally, the District delivers educational materials to all contractors, and requires the posting of educational materials on all project boards at construction site entrances.

7.4 Site Operators Permitting Responsibility Notification

At all Pre-Construction meetings, the District notifies site operators of their TPDES permitting responsibilities associated with construction activities. This was accomplished for all projects during the reporting period.

Section 8.0 Public Education, Outreach, Involvement, and Participation

8.1 Public Education and Outreach

In addition to the nationally recognized AAH Program, the District has also conducted educational seminars, held special educational activities, and delivered Public Service Announcements throughout the reporting period. At the seminars and special events, different elements of the AAH program are discussed, materials are distributed, and public participation occurs. Table 8.1(a) below provides a listing of activities held during the reporting period. Table 8.1(b) lists information for Public Service Announcements during the reporting period.

Table 8.1(a)
Public Education and Outreach Activities

Date	Organization	Attendees / Distribution
07/28/2016 - 11/30/2016	During this reporting period, Public Education and Outreach Activities were limited due to the time period for this report.	0
	Total	**0**

All Public Service Announcements were performed during the months of March and April, 2016 which constituted news releases for the Trash-Off Program. No additional PSAs were performed during the reporting period of this partial report.

Table 8.1(b)
Public Service Announcements

Date	Program - Media	Distribution
03/26/2016	News Release - Trash-Off Program - Fort Worth Star Telegram	198,747
04/06/2016	News Release - Trash-Off Program - Fort Worth Star Telegram	279,218
	Total	**477,965**

8.2 Public Involvement and Participation

During the reporting period, more the 60 different civic and school groups and employee organizations participated in litter collection and Trash-Off campaigns. Table 8.2 below lists the names of groups that registered with the District.

Table 8.2 Public Participation - Groups Engaged Group Name	
1G Youth Ministries	Diamond & Kiara Bruce
287 Ryderz Taking Care of Business	Diamondback Printing
29th Judicial District CSCD	Dinosaur Valley State Park
A Little Love Foundation	Dixon Fine Woodworking
A & R Transport	DRT Hill Country Chapter
AAL Organic Matters, LLC	Dublin Dairy Queen
Aetna Generation "Y" Employees	Dublin Lions Club
Albertsons LLC 4279	Dublin Masonic Lodge #504
Aledo Young Democrats	Ducote Insurance Agency
Alpha & Omega Lodge #647 PHA	Dunnigan School Area
Alpha Gamma Delta	Dynasty of Lovely Ladies SC
Alpha Gamma Rho	Earthwise Recycling Corp.
Alpha Phi Alpha Fraternity	Eaton Corporation
Alpha Phi Alpha Zeta Chi Chapter	Edward Jones Investments
Alpha Phi Omega	El Lobo Ranch
Alvarado High School Tennis Team	Emmanuel Lutheran Church
Alvord Area Veterans	Employees of Fibergrate Composite Structures, Inc.
American Legion Post #379	Filipino American Association of Fort Worth
American State Bank Employees	First Baptist Church Granbury
Ascension Lutheran Church Youth Group	First United Methodist Church Granbury
Azle Cub Scouts Pack 243	First United Methodist Church Alvarado
Barnett Jr. High FOCUS Program	Fitzgerald Descendants
Bell Helicopter Textron Employees	Flack Farm in Memory of Mike Flack
Best Homes	FMC Corporation
Birdville Education Foundation	Fort Worth Motorcycle Riders (FWMR)
Black Student Association – UTA	Fossil Rim Wildlife Center Staff & Volunteers
Blue Knights LEMC Texas 1	Foster Home for Children
Boswell & Saginaw High Schools	Friends & Family of Mike Evans
Boy Scouts of America	From Inside the Hourglass Foundation
Boy Scouts of America Troop 50	Garner Equine
Boy Scouts of America Troop 351	Gary Addison
Boy Scouts of America Pack & Troop 353	Gavilan Construction, LLC
Boy Scouts of America Troop 1099	Geo-Tech Foundation Repair
Boyd Lions Club	Girl Scout Troop 173
Boyd Middle School National Honor Society	Girl Scout Troop 3449
Boyd Middle School National Junior Honor Society	Girl Scout Troop 4838
Brad Cavnar Insurance	Girl Scouts of North Lake Trails

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
Brazos River Charter School	Girls Scout Jr. Troop of Strawn
Bridgeport High School Career & Technical Education	Glen Rose Discount Drug & Gift Shop
Brock High School National Honor Society	Glen Rose FFA
Bryson FFA	Godley High School - PALS
Burleson High School FFA	Golden Rule Printing
Burleson Seventh-Day Adventist Church	Granbury High School Student Council
By-Products Express, LLC	Granbury Masonic Lodge #392
C.A.R.E. Community Animal Rescue	Grandview High School - FFA
CAPRON Enterprise	Grandview Masonic Lodge #266
Casa de Campa Alpaca Ranch	Grant Burgess Family
Center for A.S.D. X-cel Program	Greater Runaway Bay Alliance
Cher Wayland & Boys	H.F. Stevens National Junior Honor Society
Chico 4-H Club	Habitat for Humanity
Chisholm Trail Academy	Hampton Inn & Suites, South Arlington
Chisholm Trail Middle School E.C.O.S	Hank Hoaldridge Ministries
Christ Our King Church	Haslet Lions Club
Comanche Peak Marine Corp & ROTC	High Point Church/We Are the Church
Comanche Peak Marine Corp League & ROTC	Hodge H3 + Ranch
Comanche Peak Steam Electric Station	Hood County Young Riders - 4H
Combat Vets Motorcycle Assn Chapter 23-6	Hood County Youth Services
Cottonwood Baptist Church Youth	Hornco Commercial Services
Cowboy Capital Rollergirls	H&R Block
Craig Cameron Family & Double Horn Ranch	Huckabay Student Council
Crowley Blackhawks	In Loving Memory of Danielle Kelton
Crowley High School	In Memory of Alfred Bacon, Sr.
Crowley Neighborhood Watch Group	In Memory of John C. Mitchum
Crowley Professional Fire Fighters Assoc.	In Memory of Nathan Abel
Crowley Seventh Day Adventist Church	In Memory of Rusty
David Eisenberg	Indianetts
David Hall State Farm Agency	Infinity Gas & Oil
Decatur High School	James Peoples Memorial
Deerskin Manufacturing, Inc.	JJ One Test
Delta Alpha Omega	Johnson County Adult Probation
Delta Chi Fraternity	Johnson County Juvenile Services
Delta Sigma Theta Sorority	Joshua 4-H
Delta Xi Nu Sorority	Joshua Christian Academy
Delta Zeta	Joshua High School - NROTC

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
Kappa Delta Chi	Martin Marietta Materials
Kappa Delta Rho	Medji Shriner's Temple #45
Keep Dublin Beautiful	Members of Disabled American Veterans
Keep Haltom City Beautiful	Members of Emerald Dragon Circle
Keep NRH Beautiful	Members of Rainbow Baptist Church
Keller Church of Christ	Metroplex Atheists
Kids Matter	Michael J. Bombonati Jr.
Knights of Columbus & Catholic Daughters	Mid-Cities Democrats
Kwik Kar – Wilshire	Millsap High School
L 5 ACE Program	Mineral Wells High School Key Club
Lake Granbury 4-H	Mineral Wells Professional Firefighters Assoc.
Lake Granbury Kiwanis	Morris Bussey & Family
Lambda Chi Alpha	Mosier Valley Lodge #103 P.H.A.
Lambda Theta Alpha & Lambda Thea Phi	Mountain Lakes Community
Latin American Student Organization	MTM Youth Club
Law Office of Bush and Hyde	Mu Beta Chapter of Omega Psi Phi Fraternity, Inc
Legacy Adoption Services	Multicultural Greek Council of UTA
Legacy High School JROTC Department	My New Group
Lester W. Jordon Jr. Family	NAACP Unit 6810
Life Community Church	NAS JRB Fort Worth E-6 Assoc.
Lifegate Church	National Honor Society Stephenville High School
Lingleville 4-H	National Junior High Society
Lingleville Feedyard	OfficeMax
Lingleville High School	Omega Delta Phi Fraternity, Inc
Lingleville U.S.A., LLC	Omega Delta Phi/Kappa Delta Chi
Lipan 4H Club	One Unit M/C Mother Chapter
Lipan National Honor Society & Lipan FFA	Palo Pinto General Hospital Employees
Literacy Connexus	Panther City Lodge #159 PHA Masons
Lockheed Martin Corporation	Parker County Juvenile Probation
Lone Camp Baptist Church	Parks & Associates Ameriprise Financial
Lone Star Progressives	Phi Alpha Delta
Lost Oak Winery	Pi Kappa Alpha
Maintenance Moms	PK Lake Hands
Management and Training Corporation	Ponde3ra Properties
Management and Training Corporation (MTC)	Portfolio Recovery Associates, LLC
Mansfield Minority Chamber of Commerce	Possum Kingdom Chamber of Commerce
Mansfield Timberview WISC Theatre Co.	Possum Kingdom Lions Club

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
Professional Farrier Service/Hoof Pros	Sons of Confederate Veterans
Quality Yard Service	Southerlandscaping
Rental Stop	Southlake Heating & Air
Rescue #20 Masonic Lodge F&AM	Southside Baptist Church
Richeson Dairy Queen #1348	Southwire
Richland Hills Masonic Lodge #1348	Springcreek 4-H Club
River Oaks Lions Club	Springcreek Baptist Church
Riverbend Landscaping	St. Ann's Youth
Riverbend Retreat Center Staff & Friends	St. Matthew Cumberland Presbyterian Church
Rocky Point Christian Academy	Stagecoach Roofing
Rocky Top Ranch	Starbucks
Royal Pranksters Riding Club	Stark Service Company
Rusty Arnold Memorial	State Farm Insurance
S.W.A.G. Southwest Arlington Geocachers	Stephenville Lions Club
Scared Moments Christian Sorority	Steve Ernst Insurance
Saginaw Community Emergency Response Team C.E.R.T.	Stober Camping Mafia
Samantha Springs Water Delivery Service	Strawn ISD Student Council
Sean M. Cerone, DDS, PA	Student Wildlife Society
Segway Fort Worth	Super Value Pharmacy
Selden Picker	Sylvia Hibbler Memorial
Shalyn S. Clark Insurance Agency	T.D. Ameritrade Professionals
Shane's Law Maintenance, Inc.	Take Time for Texas
Shepherd's Heart Church Green Light Ministries	Tarleton Professional Educators
SHS Lunch Bunch	Tarleton Serves
Shurtleff Family	Tarleton Upward Project
Sierra Dairy	Tarrant County Sheriff's Labor Board
Sigma Chi Fraternity Kappa XI	TCC Construction Management Students
Sigma Gamma Rho Sorority - Nu Iota Chapter	TD Ameritrade Corporate Services
Sigma Gamma Rho/Zeta Delta Sigma	Team S.T.R.O.N.G.
Sigma Lambda Beta - Chi Alpha Chapter	Team Tr3Love
Sigma Lambda Gamma Sorority Omicron Beta Chapter	Texas 801 AF Jr. ROTC
Six R, Inc	Texas Adventist Emergency Communication
Slide-Lok of P.K. Lake	Texas Agricultural Experiment Station
Smithfield Masonic Lodge #455	Texas Brahmas Fan Club
Somervell County 4-H	Texas Power, LP
Somervell County Juvenile Services	Texas Star Designer Homes
Son Worshipers Motorcycle Ministry	TexComm Company

Table 8.2	
Public Participation - Groups Engaged	
Group Name	
The Beau Fest Organization	UTA – ITE & TSPE
The Bessire Faimily	Valley Grove Baptist Church
The Biggars Family	Veterans of Foreign Wars Post 4746
The Burenheide Family	Vic McLane State Farm
The Corky Underwood Family	Wal-Mart Neighborhood Market Store #3392
The Dalton Family	Wal-Mart Supercenter #807
The Destiny Center – Royal Rangers Girls Ministries	Wal-Mart Supercenter #3274
The Grove	Wal-Mart Supercenter #2980 & #5247
The Harbor	Wal-Mart Supercenter #5080 & #5312
The Huffaker Family	Waverly Park Garden Club
The Levell Family & the Coker Family	Weatherford Boy Scout Troup 76
The Mark Murphy Family	Weatherford Chamber Junior Ambassadors
The Moore Family	Weatherford High School – PAL
The National Vietnam War Museum	Weatherford NORML
The Ranch Owners Association	Western Hills High School Key Club
The Sigma Chi Fraternity, Theta Kappa Chapter	Western Hills High School AFJROTC
Tim & Susan Matheus	Wise County Adult Probation 1
Tim's Towing (Springtown Imports)	Wise County Adult Probation 2
Tolar Baptist Church Youth Group	Wise Republican Women
Tolar City Council	Witt Plumbing Company
Tolar FFA Chapter	Woodforest National Bank Employees
Treetops School	YMCA Camp Grady Spruce
TSU Athletic Dept.	Young Men's Service League (Trailblazer)
TSU Block & Bridle	Zeta Phi Beta Sorority, Inc. OBZ
TSU Dairy Club	
TSU Music Organization	
TSU Music Organization (Kappa Kappa Psi)	
TSU Music Organization (Mu Phi Epsilon)	
TSU Music Organization (Phi Mu Alpha Sinfonia)	
TSU Music Organization (Tau Beta Sigma)	
TSU Sigma Alpha	
TSU State Plowboys	
TSU Student Government Association	
Tx 031 AFJROTC Wing	
Unbreakable Ryders M.C.	
United Methodist Motorcycle Enthusiasts	
US Air Force Recruiting Service 344 RCS	

Section 9.0 Monitoring Evaluation and Reporting

9.1 Dry Weather Screening Program

During this reporting period, all Dry Weather Screening Program activities had been completed by consultants who had been retained to manage and conduct the Districts dry weather screening program. The consultants were focused on two areas:

- Screening of 100% of known outfall locations in the permit area, and
- Identification, mapping, and inspection of new outfalls within the permitted area.

As the mapping and inspection program progresses, the consultants will implement TxDOT protocols to respond to and mitigate any illicit discharge that may be discovered.

9.2 Wet Weather Screening Program

The Fort Worth District has executed an agreement with the North Central Texas Council of Governments (NCTCOG) to participate in the Dallas-Fort Worth Regional Wet Weather Characterization Program (RWWCP).

The NCTCOG RWWCP Plan for the permitted term, dated December 2010, was submitted to the TCEQ and approved on February 11, 2011. This Plan is hereby incorporated by reference. The RWWCP protocol and Quality Assurance Project Plan are also incorporated by reference. Both reports are on file at the District Operations office and can be made available for review upon request.

9.3 Industrial and High Risk Monitoring Program

The District owns, operates, and maintains the roadways and MS4s within its ROW and there are no industrial or high risk facilities within the District's ROW. Therefore, this program does not apply to TxDOT. However, the District does perform environmental reviews of roadway construction projects. The reviews include hazardous materials assessments to identify nearby industrial and other high risk facilities which may impact a proposed construction project from a stormwater quality, waste management, and health and safety perspective. As appropriate, these initial assessments are supplemented with subsurface investigations, which typically include collection and analysis of soil and water samples, to determine the full impact upon the project. As a result of these efforts, the construction projects are designed to avoid, minimize and/or mitigate impacts associated with industrial and high risk facilities.

9.4 Storm Event Discharge Monitoring

TPDES permit No. WQ0004350000 requires the District to select one of three wet weather characterization sampling programs. The Fort Worth District has executed an agreement with NCTCOG to participate in the Dallas-Fort Worth RWWCP (Permit Section IV.A.3.). See section 9.2 above.

9.5 Floatables Monitoring

Floatables monitoring is performed by the Tarrant Regional Water District (TRWD), a co-permittee on Permit No. WQ0004350000, and the results are included in the annual report submitted by the City of Fort Worth.

Section 10.0 Area Specific Requirements

The Texas Surface Water Quality Standards establish water quality goals and provide a basis for regulatory programs to attain those goals. Water quality standards identify water bodies in which the quality may be inadequate to meet its "designated uses." In Texas, the following water use categories are defined: aquatic life use, general, public water supply, contact recreation, and fish consumption. The TCEQ will identify a water body in the Texas Integrated Report for Clean Water Act Sections 305(b) and 303(d), should data reveal water quality does not meet the water body's designated use. Once a water body is on the state's 303(d) list, then that water body is subject to a Total Maximum Daily Load (TMDL) assessment.

The 303(d) list water bodies are located at the following TCEQ website:

http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/305_303.html

Section 11.0 Deadlines for SWMP Compliance

TPDES Permit No. WQ0004350000 requires full implementation of the SWMP upon issuance. However, the TCEQ can issue a compliance schedule for certain items contained in the SWMP and/or specify a timeline for compliance as part of the permit. All permit required deadlines were attained by the District.

Section 12.0 Roles and Responsibilities

Per permit requirements, the SWMP, together with any interagency agreements, have identified the roles and responsibilities of TxDOT and the District. Roles and responsibilities for TPDES Permit Citation Part III.B requirements are included in Appendix D of the SWMP which has been incorporated by reference. The District is a party to one stormwater related Inter-local Agreement with the North Central Texas Council of Governments which provides funding and participation in the RWWCP. The District is a Co-Permittee with the City of Fort Worth and the Tarrant Regional Water District for this report.

Section 13.0 Legal Authority

The Texas Transportation Commission, as provided in Article 6673, Vernon's Annotated Texas Statutes (V.A.T.S.), is authorized to plan, construct, operate, and maintain the state highways system in Texas. TxDOT is the state agency charged with carrying out this authorization. It is stated in Article 6674w-3, V.A.T.S., that TxDOT may acquire lands for the purpose, among many others, of draining any state highway. The statutes, along with rules set forth in the Texas Administrative Code (TAC), give TxDOT the power to construct, operate, and maintain a drainage system for state highways to accommodate the stormwater that originates within, and reaches highway right-of-ways.

TxDOT contracts with others for the construction, and sometimes for the maintenance, of these systems. Article 6674k, V.A.T.S., provides that the form of such contracts must be prescribed by the Texas Transportation Commission and may contain language advantageous to the state. The department may control these systems in this manner. Article 6673b, V.A.T.S., allows TxDOT to enter into necessary contracts with cities regarding various aspects of state highways within their corporate limits. TxDOT, through the TAC, has adopted rules governing these agreements. As a result, there are Municipal Maintenance Agreements with cities that outline the responsibilities regarding, among other things, the maintenance of the highways, which would include the maintenance of the drainage systems appurtenances to the highways.

The TAC further provides that when others desire to cross highways with a drainage facility, the design, construction, operation, and maintenance of the facility must be acceptable to TxDOT. The statutes of the State of Texas give TxDOT the power to control, virtually, all of the activities occurring within the ROW but there is little, if any, authority to regulate discharges occurring off the ROW and flowing into state maintained drainage systems.

Section 14.0 SWMP Resources

TxDOT provides adequate finances, staff, equipment, and support capabilities to implement activities specified in the SWMP. The District spends program funding on litter removal, street sweeping, spot litter pick-up, Adopt-a-Highway programs, vegetation control, ditch maintenance, culvert and storm drain maintenance, stormwater construction activities, and channel maintenance. The cost of District environmental and stormwater training classes are charged to the overhead of each section being trained and are not specifically tracked for stormwater costs. Public involvement and education programs are funded by TxDOT. In the past, some minor funding for specific tasks has come out of the overhead of the District's Advance Project Development section.

All funding for stormwater maintenance, administration and training, and public involvement and education originates with the Texas Legislature and is allocated by this legislature to the department.

Allocation of funds for environmental controls, stormwater management, and training are projected to remain somewhat constant for the foreseeable future. The funding described herein for environmental control, stormwater management, and training do not include money that will be spent directly by the TxDOT on public awareness, public education, promotion, and public reporting programs statewide.

These funds are allocated to the District through TxDOT from the State Highway Trust Fund, which, in turn, receives its funding from the following sources:

- Motor Fuel Tax (46 percent);
- Vehicle Registration Fees (18 percent);
- Lubricant Sales Tax (one percent); and,
- Federal Reimbursements (31 percent).

Annual Stormwater related Function Code expenditures for this reporting period are listed in Table 14.0 below.

Table 14.0		
Program Expenditures by Function Code		
Function Code	Description	Total
455	Reshaping Unpaved Shoulders	$0.00
511	Mowing	$801,281.00
513	Spot Mowing	$24,678.00
520	Illegal Dumpsite Removal and Disposal	$10,487.00
521	Litter	$424,254.00
522	Street Sweeping	$254,053.00
523	Debris	$267,371.00
524	Spot Litter	$16,867.00
525	Adopt-A-Highway	$6,597.00
526	Sweeping Ice Rock	$0.00
527	Hand Sweeping	$4,226.00
540	Hand Vegetation	$2,252.00
541	Chemical Vegetation Control, Edges	$147,145.00
542	Chemical Vegetation Control, Overspray	$3789.00
544	Chemical Vegetation Control, Rope-Wick	$0.00
545	Chemical Vegetation Control, Basal Application	$0.00
548	Seeding, Sodding, Hydro-mulching and Blanketing	$0.00
551	Landscaping	$59,932.00
552	Tree and Brush Control	$32,420.00
558	Stormwater Pollution Protection	$5,054.00
560	Riprap Installation and Maintenance	$39,239.00
561	Ditch Maintenance	$49,015.00
562	Reshaping Ditches	$58,555.00
563	Slope Repair/Stabilization	$31,707.00
570	Culvert and Storm Drain Maintenance	$80,797.00
571	Stormwater Pump Station Maintenance	$0.00
620	Bridge Channel Maintenance	$0.00
809	Assistance to Traffic - Flood Water Removal	$0.00
810	Assistance to Traffic - Debris Removal	$0.00
811	Assistance to Traffic - Snow and Ice	$0.00
814	Assistance to Traffic - Erosion Control	$0.00
830	Hazardous Materials Cleanup, Spills or Leaking Storage Tanks	$1,073.00
831	Hazardous Materials Cleanup - Abandoned Materials	$0.00
	Total	$2,413,792.00

Section 15.0 SWMP Review and Updates

The SWMP program is evaluated annually to determine the plan's effectiveness and efficiency. The SWMP will be revised as necessary to support needed changes based on the SWMP evaluation and/or requests made through permit requirements. The annual review of the current SWMP will be conducted in conjunction with the preparation of the annual report, and/or permit renewal process, required under this permit. If required, the SWMP will be revised by TxDOT during the term of the permit in accordance with the approved permit procedures. While not anticipated, TxDOT will implement the SWMP on all new areas added to their portion of the MS4 (or for which they become responsible for implementation of stormwater quality controls) as expeditiously as practicable, but not later than three years from addition of the new areas. Within 90 days of a transfer of ownership, operational authority, or responsibility for SWMP implementation, TxDOT will create a plan for implementing the SWMP on all affected areas.

Section 16.0 Retention of SWMP Records

The Fort Worth District SWMP is on file with TCEQ and a copy is maintained at the Fort Worth District office located at 2501 SW Loop 820, Fort Worth, Texas 76133.

TxDOT retains the SWMP and all associated records for the permit term, plus three years after coverage under the permit terminates. This holding period is consistent with the permit required retention.

Section 17.0 Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.

09/15/2017
(Date)

Loyl Bussell, P.E.
District Engineer
Fort Worth District

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

1. Permit Number: TXR04018 **Partial Reporting Year: 8-13-16 to 11-30-16**

   Name of MS4 / Permittee: Texas Department of Transportation – Fort Worth District (District)

   Contact Name: Ed Bodiford Telephone Number: 817-370-6709

   Mailing Address: 2501 SW Loop 820 Fort Worth, Texas 76133

   E-mail Address: ed.bodiford@txdot.gov

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations?_____ Yes **X** No

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

   Name and Explanation: Not Applicable

   Name and Explanation: Not Applicable

3. Is the named permittee sharing a SWMP with other entities? _____ Yes __X__ No

   a. If the answer to Number 3 is "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

      Permit Number: _____ Permittee: _____

      Permit Number: _____ Permittee: _____

      Permit Number: _____ Permittee: _____

      Permit Number: _____ Permittee: _____

   b. If the answer to Number 3 is "Yes," is this a system-wide annual report including information for all permittees?

      Not Applicable _____ Yes _____ No

      Explanation, if any Not Applicable _____

      _____

      _____

4. Has a copy of this annual report been submitted to the TCEQ Regional Office? __X__ Yes _____ No

B. SWMP Modifications and Additional Information

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. 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

b. If the answer to Number 1.a. is "Yes," has the TCEQ already approved the original SWMP? _____Yes _____ No

c. If the answer to Number 1.a. is "Yes," indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) __Yes __No

Not Applicable

2. The MS4 has annexed lands since obtaining permit coverage. If "Yes," please explain. _____Yes **X** No

3. A receiving water body is newly listed as impaired or a TMDL has been established. If yes, please explain.

__X__ Yes _____ No _____

According to the Texas 2013 Integrated Report, the following Stream Segments are listed as impaired and/or a TMDL has been established within the MS4.

Impaired Water Bodies and/or Water Bodies with Established TMDLs		
Water Body	Impairment Status	Established TMDL
0807	n/a	PCBs in fish tissue
0808	PCBs in edible tissue	n/a
0826	pH	n/a
0829	Dioxin in edible tissue, PCBs in edible tissue	Chlordane, DDE, Dieldrin, PCBs
0841	Bacteria, Dioxin in edible tissue, PCB in edible tissue	Chlordane in fish tissue, bacteria

4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes __X__ No

Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

Not Applicable

C. Narrative Provisions

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		This report brings the District current with the reporting requirements. The District is in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		This report brings the District current with the reporting requirements. Supporting records can be inspected at the address indicated on the NOI.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		The District meets eligibility requirements described in Part II.C, including TMDLs, Edwards Aquifer and compliance history requirements.

2. Provide a general assessment of the appropriateness of the selected BMPs:

Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? _____ Yes ___X___ No

Provide explanation: Not Applicable

3. Describe progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

TxDOT-Fort Worth District progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) is quantified in terms of BMP implementation and progress toward meeting specific measurable goals. This is consistent with 40 CFR §122.34, which states "Implementation of best management practices consistent with the provisions of the stormwater management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the maximum extent practicable." Even though the actual reduction in pollution has not been measured, there is clearly a direct link between the BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that said litter will pollute stormwater. Although not quantified, this results in a reduction of pollutants in stormwater runoff.

The progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) for the district can be measured by implementation the following BMPs:

MCM 1 – BMP Visitors and Public Service Employees (Public Service Announcements and Educational Materials)

TxDOT currently runs the award-winning "Don't Mess with Texas" campaign, see Attachment A. This campaign educates Texas citizens on litter and the cost of cleaning it up. As part of this campaign, the District distributed Report a Litterer (RAL) flyers to employees and to residents in the MS4 area to encourage participation in the program. The RAL Program provides information to the public on how to report litterers to employees, hence assisting the district in making residents in the MS4 area aware of litterers and giving them the means to proactively reduce the discharge of pollutants to the MEP.

Nearly **500** Adopt-a-Highway RAL educational flyers were distributed during the reporting period. Through a cooperative effort with the North Central Texas Council of Governments an additional **1,300** educational flyers were distributed.

MCM 1 – BMP Education of Construction Site Personnel

Site personnel who are directly involved in construction activities within the TxDOT right-of-way can directly influence the quality of stormwater runoff discharged from the MS4. Site personnel are given educational materials on the effects of pollution in stormwater runoff and how to assist in reducing the discharge of pollutants to the MEP. There were **4** pre-construction meetings for projects that are in, or serve, the MS4 area. At these meetings, contractors are made aware of SW3P practices and policies as they pertain to the Districts Stormwater Program. Compliance with program policies and practices is emphasized. Additionally, the District delivers educational materials to all contractors, and requires the posting of educational materials on all project boards at construction site entrances.

MCM 2 – BMP Adopt-A-Highway Program

TxDOT-Fort Worth District provided educational materials on the effects of pollution in stormwater runoff to approximately **300** individuals. Removing floatables and other solid waste materials from the right-of-way have reduced the discharge of pollutants to the MEP. Exactly **116** miles of the highway were adopted in the MS4, and approximately **108.5** cubic feet were collected in the MS4 during the reporting period. This program has consistently expanded with positive results and support from coordination and management.

MCM 3 – BMP Develop Storm Sewer Outfall Inventory Map

The Storm Sewer Outfall Inventory Map was determined to be an appropriate BMP for locating and tracking potential illicit discharges to the MS4 and will assist in reducing the discharge of pollutants to the MEP. The District identified and mapped **1,005** outfalls within the MS4. This represents approximately 100% of the estimated total outfalls to be mapped in the MS4 area. No outfalls were mapped in this reporting period as they were all mapped during the permit term. TxDOT completed mapping activities prior to the end of year 5, and a copy of the map is provided in Attachment B.

MCM 3 – BMP MS4 Outfall Screening (Dry Weather Screening Monitoring)

Regulated outfalls were screened for dry weather flow and potential illicit discharges. The monitoring was determined to be an appropriate BMP for adequately locating and tracking potential illicit discharges to the MS4 and will assist the district in reducing the discharge of pollutants to the MEP. The District screened **1,005** outfalls under the dry weather screening program during the permit term.

MCM 4 – BMP Compliance with the CGP

The practice to ensure compliance with the TPDES construction general permit (CGP) was determined to be an appropriate BMP for controlling stormwater runoff from construction sites and has assisted the District in reducing the discharge of pollutants to the MEP. There were **6** CGP NOIs for large projects and **0** Construction Site Notices for small projects. The activities taken to ensure compliance according to the plan are recorded and kept in the District's records file. A sample Construction Stage Gate Checklist is provided in Attachment C.

MCM 4 – BMP Identify and eliminate discharges from construction sites outside of ROW with inadequate controls

The selected BMP was evaluated and determined to be an appropriate BMP for limiting the discharge of pollutants to the regulated MS4 from construction activities outside of the TxDOT right-of-way (ROW) and jurisdiction. The District identified **0** discharges to the MS4 from projects outside the ROW that may have inadequate SWPPP measures or controls.

MCM 5 – BMP Maintenance of Permanent Control Measures

The inspection and maintenance of permanent control measures to ensure they remain in good condition and continue to control stormwater runoff have reduced the discharge of pollutants to the MEP. Approximately 100% of the MS4 was surveyed, and **14** maintenance activities were performed.

MCM 6 – BMP Facility Inspections

The selected BMP is to ensure that inspections are completed on all District facilities at least once per permit term. This BMP was determined to be an appropriate BMP for controlling the discharge of pollutants. This BMP will assist the district in reducing the discharge of pollutants to the MEP.

One facility compliance inspection is required per permit term. As a BMP, TxDOT Fort Worth District inspects the tanks, valves, pipes and dikes monthly at the District complex and maintenance offices.

MCM 6 – BMP Employee Training

The selected BMP is implemented to ensure District employees attend at least one training class per permit term. The BMP was evaluated and determined to be an appropriate BMP for providing information to personnel on environmental issues that can encourage the control for the discharge of pollutants in the MS4 from District operations. This BMP will assist the District in reducing the discharge of pollutants to the MEP. Training information is maintained and managed by the Regional Training Coordinator. Training data is tracked in People Soft Training Reports. The following training classes are provided to the employees:

Employee Training		
Class Code	**Name of Class**	**Individuals Trained**
SFH 420	Hazard Communications	20
SFH 421	Refresher	73
MNT 410	Herbicide Certification	0
MNT 411	Herbicide Equipment Training	0
MNT415	Revegetation During Construction	20
EL1430	Hazard Materials/Environmental Awareness	26
31SPCC	Spill Prevention Controls & Countermeasures	236
ENV103	Stormwater Pollution Prevention Plans	0

Employee Training		
Class Code	Name of Class	Individuals Trained
ENV300	Stormwater Erosion & Sediment Control (Day 1)	2
ENV301	Stormwater Erosion & Sediment Control (Day 2)	2
ENV405	Field ENV Emergency Compliance	2
ENV414	EMS Management System	10
ENV432	CGP Compliance/Enforcement	15
ENV433	Stormwater ENV Regulations During Construction	10
ENV457	404 Compliance During Construction	9
CON816	Construction Stage Gate Checklist	12
CON817	Completing SW Inspection Checklist	15
DES435	Using AP&D Stage Gate Checklist	12
DES907	Using PS&E Stage Gate Checklist	7

MCM 6 - BMP Disposal of Waste

The selected BMP is to ensure proper disposal of solid wastes. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from District operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP. The District removed **621** cubic feet of litter and debris from roadways by litter collection and/or street sweeping. All waste was properly disposed of.

MCM 6 - BMP Inspection of Structural Controls for Sand and Ice Rock Storage Areas

The District inspects structural controls within the MS4 at least once per year. During inspection, the structural controls were evaluated for any needed maintenance, repair or replacement and a schedule was

established for follow-up actions if necessary. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from District operations. This BMP will assist the District in reducing the discharge of pollutants to the MEP.

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

   The SWMP implementation program met or exceeded permit goals during the reporting dates. The program was implemented successfully and remains on schedule to continue through the end of the reporting year.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated by notices of intent or site notices:

   The TxDOT Fort Worth District, as the Primary Operator, received **6** NOIs and **0** Construction Site Notices from Secondary Operators.

6. Does the permittee utilize the optional seventh MCM related to construction? _____ Yes **X** No

   If "Yes," then provide the following information for this permit year:

   a. The number of municipal construction activities authorized under this general permit: **N/A**

   b. The total number of acres disturbed for municipal construction projects: **N/A**

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

7. Requirements for Specific Minimum Controls Measures (MCMs):

   a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM.

   See Attachment D.

b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.).

See Attachment D.

c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

Not applicable; TXDOT Fort Worth District utilizes the list used in the general permit.

8. Describe any proposed changes to the SWMP in the coming reporting year.

No changes are currently proposed.

9. Describe any activities planned for the next permit year, not already described.

This annual report is the final for this permit term. This partial year report covers the term of August 13, 2016 to November 30, 2016 due to the issuance of the new Phase II MS4 Permit for TxDOT.

D. Storm Water Management Program Status

Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)* **All BMPs for this permit were met prior to this reporting period.**

Note: Since each of the BMPs have measurable goals, TxDOT combined Table 1 and Table 2 in the original template in order to minimize redundancy.

Table 1 BMP Status & Table 2 Measurable Goals Status

MCM(s)	BMP Indicated if new or revised	Milestones of Permit Year	Status, Start Date and Completion Date	Measurable Goal(s)	Success	Proposed Changes
MCM 1 - Public Education and Outreach on Storm Water Impacts	Flyers and Brochures *Target Audience:* Visitors, Public Service Employees and Construction Site Personnel	• Litterbags were distributed to more than 1 million Fort Worth Stock Show & Rodeo visitors Jan-Feb 2016.	COMPLETED August 13, 2015 – August 12, 2016	Record the delivery date, type and quantity of flyers and brochures ordered and distributed to Phase II organizations.	Met Goal	N/A
MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel *Target Audience:* Construction Site Personnel and Public Service Employees	• 32 pre-construction meetings for projects requiring a CGP NOI were held and water quality guidance materials were distributed.	COMPLETED August 13, 2015 – August 12, 2016	Record date and project were posters were distributed.	Met Goal	N/A
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	• During Adopt-A-Highway events, 14,460 cubic feet of trash was collected. • 762 miles in the MS4 are adopted.	COMPLETED August 13, 2015 – August 12, 2016	Record date of events, report how many miles of MS4 were affected, number of 33-gal bags of material removed.	Met Goal	N/A
MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	• TxDOT completed mapping activities in year 5.	COMPLETED August 13, 2015 – August 12, 2016	Provided records to document updated map.	Met Goal	N/A
MCM 3 - Illicit Discharge Detection and Elimination	Update Storm Sewer Outfall Inventory Map	• The district previously identified and mapped 1,005 outfalls within the MS4. This represents approximately 100% of the estimated total outfalls to be mapped in the Phase II area.	COMPLETED August 13, 2015 – August 12, 2016	Provide a list or printed map of outfalls inventoried and an estimate of the remaining MS4 that needs to be mapped.	Met Goal	N/A

MCM(s)	BMP Indicated if new or revised	Milestones of Permit Year	Status, Start Date and Completion Date	Measurable Goal(s)	Success	Proposed Changes
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	• The District conducted dry weather screening of all outfalls in the MS4.	COMPLETED August 13, 2015 – August 12, 2016	Provide records to document updated map.	Met Goal	N/A
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	• There were 32 CGP NOIs for large projects and 10 CSN for small projects required to authorize TxDOT construction projects within the boundaries of the MS4. The activities taken to ensure compliance according to the plan are recorded and kept in the district construction records file.	COMPLETED August 13, 2015 – August 12, 2016	Record the number of CGP NOIs for large projects and CSNs or small projects required to authorize TxDOT construction projects within the small MS4 boundary. Record the activities taken to ensure compliance.	Met Goal	N/A
MCM 4 - Construction Site Storm Water Runoff Control	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	• There was 1 discharge to the MS4 from projects outside the ROW that may have inadequate SWPPP measures or controls.	COMPLETED August 13, 2015 – August 12, 2016	Record and describe evidence of construction site runoff with inadequate controls. Record corrective measures taken.	Met Goal	N/A
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	• Approximately 100% of the Phase II area was surveyed and 58 maintenance activities were performed accounting for approximately 100% of the MS4.	COMPLETED August 13, 2015 – August 12, 2016	Record the maintenance activities and the percentage of the MS4 that was surveyed.	Met Goal	N/A
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	• TxDOT Fort Worth District inspects tanks, valves, pies and dikes monthly at the district complex and maintenance	COMPLETED August 13, 2015 – August 12, 2016	Provide a copy of the inspection report	Met Goal	N/A

MCM(s)	BMP Indicated if new or revised	Milestones of Permit Year	Status, Start Date and Completion Date	Measurable Goal(s)	Success	Proposed Changes
		offices.				
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	• TxDOT personnel attended respective classes. • Records are maintained in People Soft Training System.	COMPLETED August 13, 2015 – August 12, 2016	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively provide a list of the title and date of courses offered.	Met Goal	N/A
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	• 30,156 sq. miles were covered for litter and debris was removed from roadways by litter collection and street sweeping. • 6259 cubic feet of litter and debris was removed by litter contractors and properly disposed of properly.	COMPLETED August 13, 2015 – August 12, 2016	Record volumes and nature of disposed waste.	Met Goal	N/A
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand and ice rock storage areas.	Four structural controls were inspected which are located at two locations within the MS4.	COMPLETED August 13, 2015 – August 12, 2016	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions.	Met Goal	N/A

E. Certification

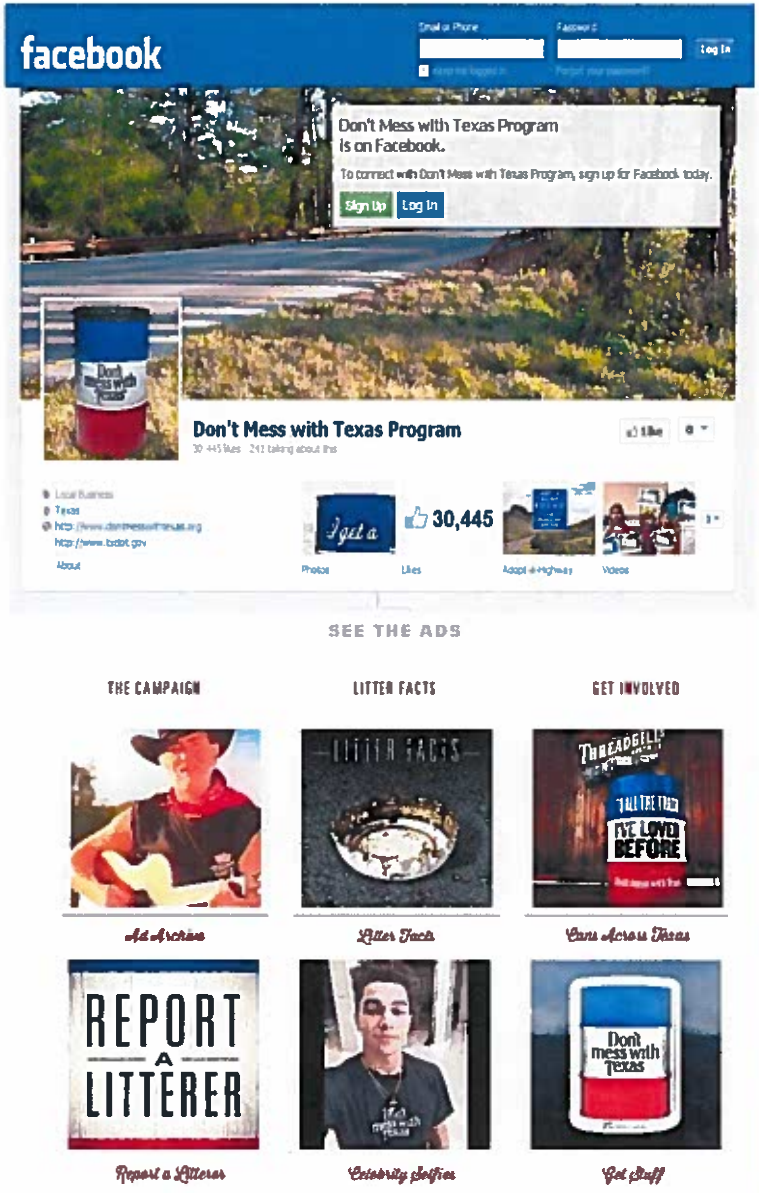
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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): Loyl Bussell, P.E. Title: District Engineer

Signature:  Date: 11/10/2017

ATTACHMENT A

EXAMPLES OF DON'T MESS WITH TEXAS and ADOPT-A-HIGHWAY PROGRAMS

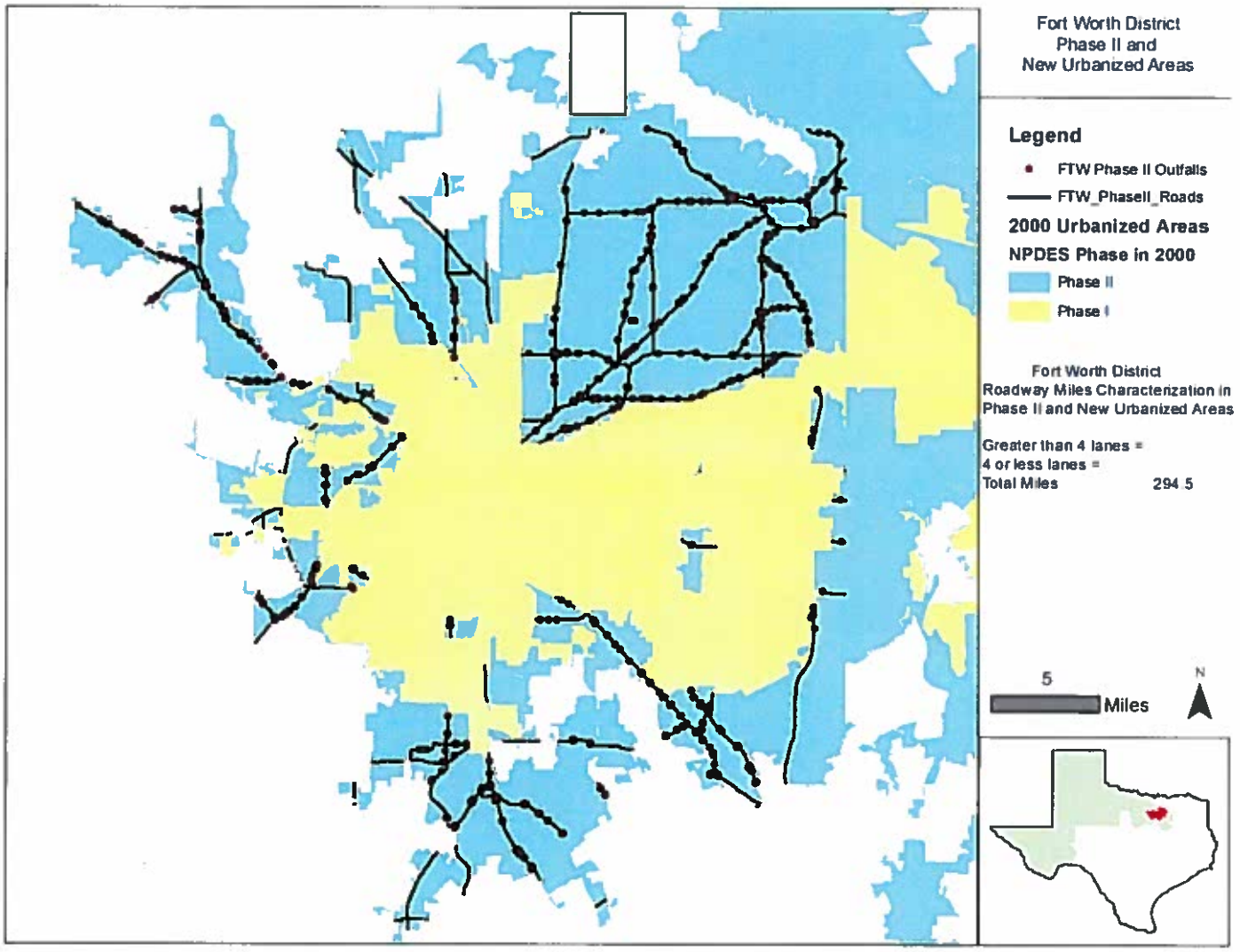




ATTACHMENT B

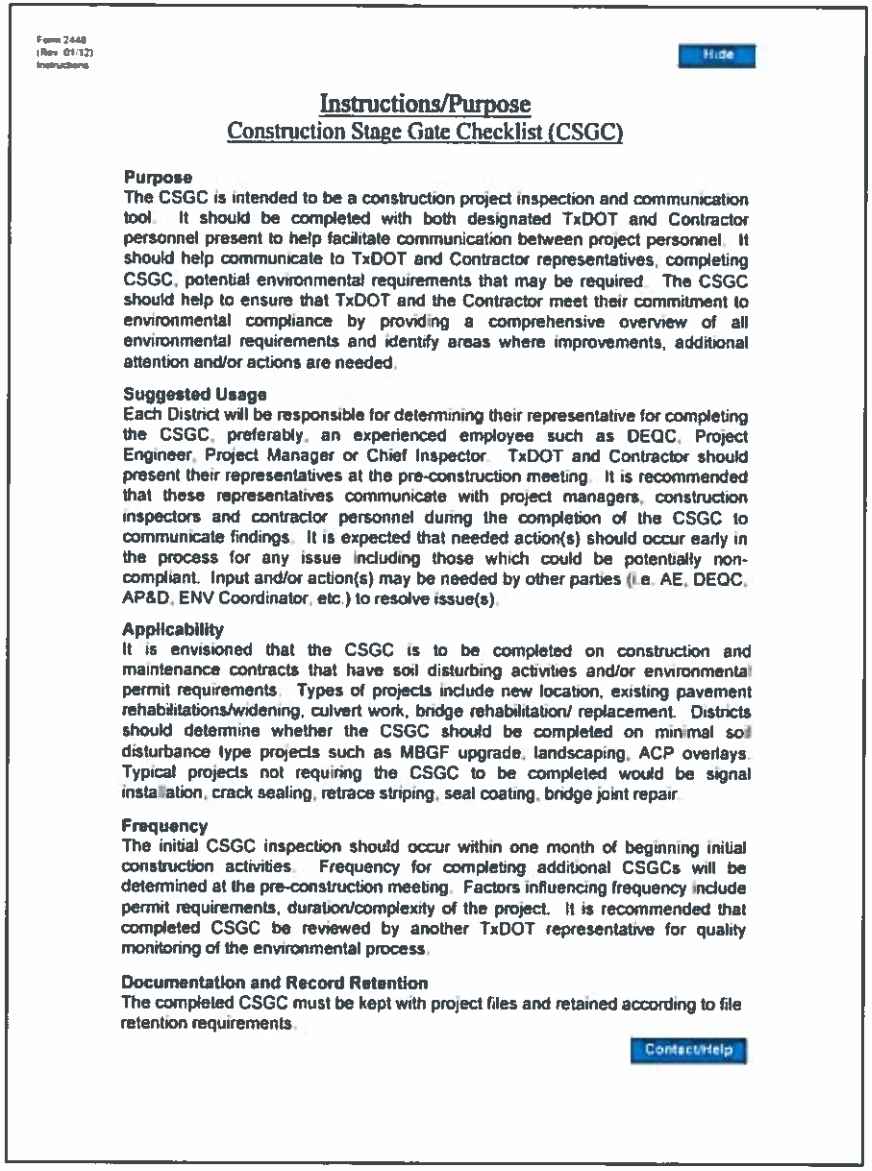
FORT WORTH DISTRICT PHASE II

AND NEW URBANZIED AREA ROADS



ATTACHMENT C

CONSTRUCTION STAGE GATE CHECKLIST



Form 2448
(Rev. 01/12)
Instructions

Hide

Instructions/Purpose
Construction Stage Gate Checklist (CSGC)

Purpose
The CSGC is intended to be a construction project inspection and communication tool. It should be completed with both designated TxDOT and Contractor personnel present to help facilitate communication between project personnel. It should help communicate to TxDOT and Contractor representatives, completing CSGC, potential environmental requirements that may be required. The CSGC should help to ensure that TxDOT and the Contractor meet their commitment to environmental compliance by providing a comprehensive overview of all environmental requirements and identify areas where improvements, additional attention and/or actions are needed.

Suggested Usage
Each District will be responsible for determining their representative for completing the CSGC, preferably, an experienced employee such as DEQC, Project Engineer, Project Manager or Chief Inspector. TxDOT and Contractor should present their representatives at the pre-construction meeting. It is recommended that these representatives communicate with project managers, construction inspectors and contractor personnel during the completion of the CSGC to communicate findings. It is expected that needed action(s) should occur early in the process for any issue including those which could be potentially non-compliant. Input and/or action(s) may be needed by other parties (i.e. AE, DEQC, AP&D, ENV Coordinator, etc.) to resolve issue(s).

Applicability
It is envisioned that the CSGC is to be completed on construction and maintenance contracts that have soil disturbing activities and/or environmental permit requirements. Types of projects include new location, existing pavement rehabilitations/widening, culvert work, bridge rehabilitation/ replacement. Districts should determine whether the CSGC should be completed on minimal soil disturbance type projects such as MBGF upgrade, landscaping, ACP overlays. Typical projects not requiring the CSGC to be completed would be signal installation, crack sealing, retrace striping, seal coating, bridge joint repair.

Frequency
The initial CSGC inspection should occur within one month of beginning initial construction activities. Frequency for completing additional CSGCs will be determined at the pre-construction meeting. Factors influencing frequency include permit requirements, duration/complexity of the project. It is recommended that completed CSGC be reviewed by another TxDOT representative for quality monitoring of the environmental process.

Documentation and Record Retention
The completed CSGC must be kept with project files and retained according to file retention requirements.

Contact/Help

ATTACHMENT D

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office

Project Personnel Completing CSGC (Joint Inspection)	
TxDOT Representative	Contractor Representative
Print Name:	Print Name:
Signature/Date:	Signature/Date:

CSGC Inspection Period			
From	Date of beginning initial construction activities, or Date of previous CSGC Inspection	To	Date of this CSGC Inspection

List Project Permits

National Environmental Policy Act (NEPA) Document			
☐ Yes	☐ No		1. Have the project limits or scope changed? (If yes, complete question 2)
☐ Yes	☐ No		2. Has coordination with Advance Planning & Development occurred to ensure NEPA compliance?
Storm Water Resources			
☐ Yes	☐ No		3. Does the project require a Construction Site Notice (CSN)?
☐ Yes	☐ No	☐ N/A	4. Is the CSN posted in a publicly accessible location near where the construction activity is underway?
☐ Yes	☐ No	☐ N/A	5. Does the CSN contain all required information?
☐ Yes	☐ No		6. Does the project require a Notice of Intent (NOI)?
☐ Yes	☐ No	☐ N/A	7. Is the NOI posted in a publicly accessible location near where the construction activity is underway?
☐ Yes	☐ No	☐ N/A	8. Does the NOI contain all required information?
☐ Yes	☐ No	☐ N/A	9. Does the project have a Storm Water Pollution Prevention Plan (SWP3)?
☐ Yes	☐ No	☐ N/A	10. Is there a copy of the TCEQ Construction General Permit onsite or with the SWP3?
☐ Yes	☐ No	☐ N/A	11. Is there a copy of a Delegation of Authority Letter authorizing the signing of inspection reports in the SWP3 file?
☐ Yes	☐ No	☐ N/A	12. Is the SWP3 retained and available for inspection at the work site that generates the storm water? (If no, complete question 13)
			13. Where is it located?
☐ Yes	☐ No	☐ N/A	14. Is the SWP3 updated for any changes in design or project change orders?
☐ Yes	☐ No	☐ N/A	15. Are the SWP3 drawings updated for changes to Best Management Practices (BMPs)? (i.e. type, location and install/remove dates)
☐ Yes	☐ No	☐ N/A	16. Is the description of construction and waste materials stored on-site updated with the Contractor?
☐ Yes	☐ No	☐ N/A	17. Are the dates when major grading activities occur updated?
☐ Yes	☐ No	☐ N/A	18. Are the dates when construction activities temporarily or permanently cease on a portion of the site updated?
☐ Yes	☐ No	☐ N/A	19. Did stabilization occur within 14 days at locations where soil disturbing activities have ceased? (If yes, complete question 20)

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office

☐ Yes	☐ No	☐ N/A	20. Is the stabilization documented? (i.e. DWR's, methods, seeding rates, etc)
☐ Yes	☐ No	☐ N/A	21. Did stabilization occur within 14 days at locations where work temporarily ceased (at least 21 days)? (If yes, complete question 22)
☐ Yes	☐ No	☐ N/A	22. Is the stabilization documented? (i.e. DWR's, methods, seeding rates, etc)
☐ Yes	☐ No	☐ N/A	25. Are control measures installed in accordance with the SWP3?
☐ Yes	☐ No	☐ N/A	26. Are control measures properly selected?
☐ Yes	☐ No	☐ N/A	27. Are control measures performing?
☐ Yes	☐ No	☐ N/A	28. Are control measures properly maintained?
☐ Yes	☐ No	☐ N/A	29. Are on-site accumulations of sediment removed as soon as practicable to prevent off-site impacts? (i.e. sediment near off-site inlets, etc)
☐ Yes	☐ No	☐ N/A	30. Is sediment removed from control devices when design capacity is reduced by 50%?
☐ Yes	☐ No	☐ N/A	31. Are litter, construction debris, and construction chemicals exposed to wind or water erosion? (i.e. screening outfalls, picked up daily)
☐ Yes	☐ No	☐ N/A	32. Is a lidded dumpster on the project to dispose of litter, construction debris, etc.?
☐ Yes	☐ No	☐ N/A	33. Were velocity dissipation devices (i.e. rock filter dams, holding ponds, etc) placed at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to the water course?
☐ Yes	☐ No	☐ N/A	34. Were the inspections performed per the contract/SWP3?
☐ Yes	☐ No	☐ N/A	35. Are deficiencies and nonconformance issues identified on the inspections being addressed before off-site discharge occurs?
☐ Yes	☐ No	☐ N/A	36. Are controls in place to minimize off-site vehicle tracking of sediments?
☐ Yes	☐ No	☐ N/A	37. Has TxDOT approved PSLs on Right-of-Way?
☐ Yes	☐ No	☐ N/A	38. Are the contractor's on and off Right-of-Way PSLs shown on the SWP3 site plan? (If yes, complete question 39)
☐ Yes	☐ No		39. Are the contractor's on and off Right-of-Way PSLs shown on the SWP3 site plan identified as contractor's PSL?
☐ Yes	☐ No		40. Is the contractor required to have a concrete washout area? (If yes, complete questions 41 - 42)
☐ Yes	☐ No		41. Is the concrete washout area shown on the SWP3 site plan?
☐ Yes	☐ No		42. Is the concrete washout area properly constructed and maintained?
☐ Yes	☐ No		43. Is the inspection cycle option for this project "At least every 14 calendar days and within 24 hours after 0.5 inches or more of rainfall"? (If yes, complete questions 44 - 45)
☐ Yes	☐ No		44. Is there a rain gauge on the project?
☐ Yes	☐ No		45. Are there records documenting rainfall amounts?
☐ Yes	☐ No	☐ N/A	46. Did the inspection summary report include the name of the inspector?
☐ Yes	☐ No	☐ N/A	47. Did the inspection summary report include the date(s) of the inspection?
☐ Yes	☐ No	☐ N/A	48. Did the inspection summary report include measures/area inspected?
☐ Yes	☐ No	☐ N/A	49. Did the inspection summary report include actions needed/taken as a result of the inspection?
☐ Yes	☐ No	☐ N/A	50. Did the inspection summary report include major observations? (i.e. locations of discharges of sediment or pollutants, BMPs that require maintenance, BMPS that failed to operate as designed or proved inadequate, BMPs are needed)
☐ Yes	☐ No	☐ N/A	51. Did the SWP3 include appropriately signed certification statement?
☐ Yes	☐ No	☐ N/A	52. Did the SWP3 include the inspector qualification document?
☐ Yes	☐ No		53. Does the project require a Municipal Separate Storm Sewer System (MS4) permit? (If yes, complete question 54)
☐ Yes	☐ No		54. Have the MS4 operator(s) been notified?

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office

Jurisdictional Waters of the United States, including Wetlands			
☐ Yes	☐ No		55. Does the project require a USACE permit? (If yes, complete questions 56 - 62)
☐ Yes	☐ No		56. Are wetlands and waters of the US being protected in accordance with the authorization/permit and the PS&E?
☐ Yes	☐ No		57. Are the proper USACE permits maintained at the site?
☐ Yes	☐ No		58. Is clearance of off Right-of-Way PSLs required by a special condition of TxDOT's USACE permit? (If yes, complete question 59)
☐ Yes	☐ No	☐ N/A	59. Has clearance of these PSLs been obtained?
☐ Yes	☐ No		60. Are the BMPs for protecting wetlands and water of the US working effectively?
☐ Yes	☐ No		61. Are construction activities meeting all USACE general permit conditions?
☐ Yes	☐ No		62. Are construction activities meeting all other USACE special permit conditions?
Navigable Waters			
☐ Yes	☐ No		63. Is a US Coast Guard Section 9 permit applicable? (If yes, complete questions 64 - 65)
☐ Yes	☐ No		64. Is the US Coast Guard Section 9 permit maintained on site?
☐ Yes	☐ No		65. Are construction activities meeting US Coast Guard Section 9 permit conditions?
☐ Yes	☐ No		66. Is a USACE Section 10 permit applicable? (If yes, complete questions 67 - 68)
☐ Yes	☐ No		67. Is the USACE Section 10 permit maintained on site?
☐ Yes	☐ No		68. Are construction activities meeting USACE Section 10 permit conditions?
Edwards Aquifer			
☐ Yes	☐ No		69. Does the project require an Edwards Aquifer Protection Plan? (If yes, complete questions 70 - 73)
☐ Yes	☐ No		70. Is a copy of the Water Pollution Abatement Plan (WPAP) kept on-site?
☐ Yes	☐ No		71. Is a copy of the Contributing Zone Plan kept on-site?
☐ Yes	☐ No		72. Are project requirements met for groundwater protection? (i.e. Item 103 Disposal of Wells, staging requirements from WPAP, etc)
☐ Yes	☐ No		73. Are construction activities meeting permit conditions?
International Boundary Water Commission (IBWC)			
☐ Yes	☐ No		74. Is an IBWC License applicable? (If yes, complete questions 75 - 76)
☐ Yes	☐ No		75. Is the IBWC maintained on site?
☐ Yes	☐ No		76. Are construction activities meeting IBWC License conditions?
Biological Resources			
☐ Yes	☐ No	☐ N/A	77. Is work compliant with the plans for protection of vegetation, including trees?
☐ Yes	☐ No	☐ N/A	78. Are migratory bird nesting requirements being followed?
☐ Yes	☐ No	☐ N/A	79. Is the work compliant with the plans and/or mitigation requirements for protection of threatened or endangered species/habitats?
Noise			
☐ Yes	☐ No		80. Are there any proposed noise impacts? (If yes, complete question 81)
☐ Yes	☐ No		81. Is the work being performed in accordance with the noise mitigation plan?
Air Quality			
☐ Yes	☐ No	☐ N/A	82. Are controls being practiced and are they effective for minimizing dust?

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office

☐ Yes	☐ No	☐ N/A	83. Were the procedures for the Texas Emission Reduction Plan or other incentive measures met and documented? (i.e. contractor is using highest tier level equipment and best fuel grade)
☐ Yes	☐ No	☐ N/A	84. Are measures being taken for reducing idling of equipment and vehicles?
Cultural Resources			
☐ Yes	☐ No	☐ N/A	85. Are known historical and archeological properties being protected and preserved in accordance with the plans?
☐ Yes	☐ No		86. Have historical and archeological properties been encountered during construction? (If yes, complete questions 87 - 88)
☐ Yes	☐ No		87. Were the historical and archeological properties protected?
☐ Yes	☐ No		88. Were the TxDOT Emergency Discovery Guidelines followed?
DSHS Notification			
☐ Yes	☐ No		89. Is DSHS notification(s) required? (if yes, complete questions 90 - 92)
☐ Yes	☐ No		90. Has DSHS notification(s) been mailed?
☐ Yes	☐ No		91. Was the DSHS notification(s) postmarked at least 10 working days prior to initiating demolition or renovation?
☐ Yes	☐ No		92. Were there any amendments to the DSHS notification(s)?
Hazardous Materials			
☐ Yes	☐ No	☐ N/A	93. Are hazardous materials mitigation and abatement procedures being followed?
☐ Yes	☐ No		94. Have unknown hazardous materials been encountered during construction? (If yes, complete questions 95 - 96)
☐ Yes	☐ No		95. Have the proper TxDOT and agency contacts been made and documented?
☐ Yes	☐ No		96. Has mitigation or abatement been addressed?
☐ Yes	☐ No		97. Do the project plans include a soil and/or groundwater management plan? (If yes, complete question 98)
☐ Yes	☐ No		98. Is the abatement/mitigation plan being adhered to?
☐ Yes	☐ No		99. Has a spill of less than reportable quantity occurred? (If yes, complete question 100)
☐ Yes	☐ No		100. Were Spill Response Plan procedures followed for reporting and cleanup?
☐ Yes	☐ No		101. Has a spill of reportable quantity occurred? (If yes, complete question 102)
☐ Yes	☐ No		102. Were Spill Response Plan procedures followed for reporting and cleanup?
Change Orders			
☐ Yes	☐ No		103. Are there change orders on this project? (If yes, complete questions 104 - 106)
☐ Yes	☐ No		104. Are change orders assessed for NEPA re-evaluation and/or resource agency coordination?
☐ Yes	☐ No		105. Do the change orders require environmental mitigation, abatement, or clearance actions? (If yes, complete question 106)
☐ Yes	☐ No		106. Have environmental mitigation, abatement, or clearance actions occurred?

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office

SUMMARY OF PROJECT INSPECTION

Reference Item Number	Finding	Person Responsible For Corrective Action (Print Name)	Date Corrective Action Expected To Be Completed	Date Corrective Action Completed	TxDOT Representative Verifying Completed Corrective Action
					Print Name: _____ Signature: _____
					Print Name: _____ Signature: _____
					Print Name: _____ Signature: _____
					Print Name: _____ Signature: _____

Comments

Reviewer (Optional)

Print Name:	Signature:	Title:	Date of

ATTACHMENT D

DOCUMENTATION OF THE ACTIVITIES CONDUCTED,
MATERIALS USED AND AMOUNT OF RESOURCES
USED TO ADDRESS EACH GROUP

TO FULLFILL MCM 1 (PUBLIC EDUCATION AND OUTREACH)

Public Education and Outreach Activities			
Activity	**Target Group**	**Materials/Resources**	**Quantity**
Texas SmartScape	General public on proper design, care and maintenance to prevent pollution in Stormwater runoff.	Website in conjunction with the North Central Texas Council of Governments	104,457
March is Texas SmartScape Month	To encourage the public to use native and adapted plants which will need less water, pesticides and fertilizers thus reducing pollutants from landscape runoff.	Bookmarks in conjunction with the North Central Texas Council of Governments	8,650
Waste Management Campaign	To educate landscape maintenance companies about properly disposing of waste to keep it out of storm drains.	Brochure developed in conjunction with the North Central Council of Governments.	2,315
Litter Education	Fort Worth Stock Show & Rodeo	Litter and water quality educational materials were distributed in cooperation with NCTCOG	About 1.2 million people
News Release on 4/1/2016	Fort Worth Star Telegram Readers	Trash-Off Program Information	198,747
News Release on 4/6/2016	Fort Worth Star Telegram Readers	Trash-Off Program Information	279,218
Social Media	Social Media Users	Don't Mess with Texas information circulates on the respective Facebook page	31,000
Trash-Off Campaigns	Civic groups, schools and employee organizations in the Phase II area	Not Applicable	237 groups

Table 8.2 Public Participation - Groups Engaged Group Name	
1G Youth Ministries	Diamond & Kiara Bruce
287 Ryderz Taking Care of Business	Diamondback Printing
29th Judicial District CSCD	Dinosaur Valley State Park
A Little Love Foundation	Dixon Fine Woodworking
A & R Transport	DRT Hill Country Chapter
AAL Organic Matters, LLC	Dublin Dairy Queen
Aetna Generation "Y" Employees	Dublin Lions Club
Albertsons LLC 4279	Dublin Masonic Lodge #504
Aledo Young Democrats	Ducote Insurance Agency
Alpha & Omega Lodge #647 PHA	Dunnigan School Area
Alpha Gamma Delta	Dynasty of Lovely Ladies SC
Alpha Gamma Rho	Earthwise Recycling Corp.
Alpha Phi Alpha Fraternity	Eaton Corporation
Alpha Phi Alpha Zeta Chi Chapter	Edward Jones Investments
Alpha Phi Omega	El Lobo Ranch
Alvarado High School Tennis Team	Emmanuel Lutheran Church
Alvord Area Veterans	Employees of Fibergrate Composite Structures, Inc.
American Legion Post #379	Filipino American Association of Fort Worth
American State Bank Employees	First Baptist Church Granbury
Ascension Lutheran Church Youth Group	First United Methodist Church Granbury
Azle Cub Scouts Pack 243	First United Methodist Church Alvarado

Table 8.2 Public Participation - Groups Engaged Group Name	
Barnett Jr. High FOCUS Program	Fitzgerald Descendants
Bell Helicopter Textron Employees	Flack Farm in Memory of Mike Flack
Best Homes	FMC Corporation
Birdville Education Foundation	Fort Worth Motorcycle Riders (FWMR)
Black Student Association – UTA	Fossil Rim Wildlife Center Staff & Volunteers
Blue Knights LEMC Texas 1	Foster Home for Children
Boswell & Saginaw High Schools	Friends & Family of Mike Evans
Boy Scouts of America	From Inside the Hourglass Foundation
Boy Scouts of America Troop 50	Garner Equine
Boy Scouts of America Troop 351	Gary Addison
Boy Scouts of America Pack & Troop 353	Gavilan Construction, LLC
Boy Scouts of America Troop 1099	Geo-Tech Foundation Repair
Boyd Lions Club	Girl Scout Troop 173
Boyd Middle School National Honor Society	Girl Scout Troop 3449
Boyd Middle School National Junior Honor Society	Girl Scout Troop 4838
Brad Cavnar Insurance	Girl Scouts of North Lake Trails
Brazos River Charter School	Girls Scout Jr. Troop of Strawn
Bridgeport High School Career & Technical Education	Glen Rose Discount Drug & Gift Shop
Brock High School National Honor Society	Glen Rose FFA
Bryson FFA	Godley High School – PALS
Burleson High School FFA	Golden Rule Printing

Table 8.2 Public Participation - Groups Engaged Group Name	
Burleson Seventh-Day Adventist Church	Granbury High School Student Council
By-Products Express, LLC	Granbury Masonic Lodge #392
C.A.R.E. Community Animal Rescue	Grandview High School – FFA
CAPRON Enterprise	Grandview Masonic Lodge #266
Casa de Campa Alpaca Ranch	Grant Burgess Family
Center for A.S.D. X-cel Program	Greater Runaway Bay Alliance
Cher Wayland & Boys	H.F. Stevens National Junior Honor Society
Chico 4-H Club	Habitat for Humanity
Chisholm Trail Academy	Hampton Inn & Suites, South Arlington
Chisholm Trail Middle School E.C.O.S	Hank Hoaldridge Ministries
Christ Our King Church	Haslet Lions Club
Comanche Peak Marine Corp & ROTC	High Point Church/We Are the Church
Comanche Peak Marine Corp League & ROTC	Hodge H3 + Ranch
Comanche Peak Steam Electric Station	Hood County Young Riders – 4H
Combat Vets Motorcycle Assn Chapter 23-6	Hood County Youth Services
Cottonwood Baptist Church Youth	Hornco Commercial Services
Cowboy Capital Rollergirls	H&R Block
Craig Cameron Family & Double Horn Ranch	Huckabay Student Council
Crowley Blackhawks	In Loving Memory of Danielle Kelton
Crowley High School	In Memory of Alfred Bacon, Sr.

Table 8.2 Public Participation - Groups Engaged Group Name	
Crowley Neighborhood Watch Group	In Memory of John C. Mitchum
Crowley Professional Fire Fighters Assoc.	In Memory of Nathan Abel
Crowley Seventh Day Adventist Church	In Memory of Rusty
David Eisenberg	Indianetts
David Hall State Farm Agency	Infinity Gas & Oil
Decatur High School	James Peoples Memorial
Deerskin Manufacturing, Inc.	JJ One Test
Delta Alpha Omega	Johnson County Adult Probation
Delta Chi Fraternity	Johnson County Juvenile Services
Delta Sigma Theta Sorority	Joshua 4-H
Delta Xi Nu Sorority	Joshua Christian Academy
Delta Zeta	Joshua High School – NROTC
Kappa Delta Chi	Martin Marietta Materials
Kappa Delta Rho	Medji Shriner's Temple #45
Keep Dublin Beautiful	Members of Disabled American Veterans
Keep Haltom City Beautiful	Members of Emerald Dragon Circle
Keep NRH Beautiful	Members of Rainbow Baptist Church
Keller Church of Christ	Metroplex Atheists
Kids Matter	Michael J. Bombonati Jr.
Knights of Columbus & Catholic Daughters	Mid-Cities Democrats

Table 8.2 Public Participation - Groups Engaged Group Name	
Kwik Kar – Wilshire	Millsap High School
L 5 ACE Program	Mineral Wells High School Key Club
Lake Granbury 4-H	Mineral Wells Professional Firefighters Assoc.
Lake Granbury Kiwanis	Morris Bussey & Family
Lambda Chi Alpha	Mosier Valley Lodge #103 P.H.A.
Lambda Theta Alpha & Lambda Thea Phi	Mountain Lakes Community
Latin American Student Organization	MTM Youth Club
Law Office of Bush and Hyde	Mu Beta Chapter of Omega Psi Phi Fraternity, Inc
Legacy Adoption Services	Multicultural Greek Council of UTA
Legacy High School JROTC Department	My New Group
Lester W. Jordon Jr. Family	NAACP Unit 6810
Life Community Church	NAS JRB Fort Worth E-6 Assoc.
Lifegate Church	National Honor Society Stephenville High School
Lingleville 4-H	National Junior High Society
Lingleville Feedyard	OfficeMax
Lingleville High School	Omega Delta Phi Fraternity, Inc
Lingleville U.S.A., LLC	Omega Delta Phi/Kappa Delta Chi
Lipan 4H Club	One Unit M/C Mother Chapter
Lipan National Honor Society & Lipan FFA	Palo Pinto General Hospital Employees
Literacy Connexus	Panther City Lodge #159 PHA Masons

Table 8.2 Public Participation - Groups Engaged Group Name	
Lockheed Martin Corporation	Parker County Juvenile Probation
Lone Camp Baptist Church	Parks & Associates Ameriprise Financial
Lone Star Progressives	Phi Alpha Delta
Lost Oak Winery	Pi Kappa Alpha
Maintenance Moms	PK Lake Hands
Management and Training Corporation	Ponde3ra Properties
Management and Training Corporation (MTC)	Portfolio Recovery Associates, LLC
Mansfield Minority Chamber of Commerce	Possum Kingdom Chamber of Commerce
Mansfield Timberview WISC Theatre Co.	Possum Kingdom Lions Club
Professional Farrier Service/Hoof Pros	Sons of Confederate Veterans
Quality Yard Service	Southerlandscaping
Rental Stop	Southlake Heating & Air
Rescue #20 Masonic Lodge F&AM	Southside Baptist Church
Richeson Dairy Queen #1348	Southwire
Richland Hills Masonic Lodge #1348	Springcreek 4-H Club
River Oaks Lions Club	Springcreek Baptist Church
Riverbend Landscaping	St. Ann's Youth
Riverbend Retreat Center Staff & Friends	St. Matthew Cumberland Presbyterian Church
Rocky Point Christian Academy	Stagecoach Roofing
Rocky Top Ranch	Starbucks

Table 8.2 Public Participation - Groups Engaged Group Name	
Royal Pranksters Riding Club	Stark Service Company
Rusty Arnold Memorial	State Farm Insurance
S.W.A.G. Southwest Arlington Geocachers	Stephenville Lions Club
Scared Moments Christian Sorority	Steve Ernst Insurance
Saginaw Community Emergency Response Team C.E.R.T.	Stober Camping Mafia
Samantha Springs Water Delivery Service	Strawn ISD Student Council
Sean M. Cerone, DDS, PA	Student Wildlife Society
Segway Fort Worth	Super Value Pharmacy
Selden Picker	Sylvia Hibbler Memorial
Shalyn S. Clark Insurance Agency	T.D. Ameritrade Professionals
Shane's Law Maintenance, Inc.	Take Time for Texas
Shepherd's Heart Church Green Light Ministries	Tarleton Professional Educators
SHS Lunch Bunch	Tarleton Serves
Shurtleff Family	Tarleton Upward Project
Sierra Dairy	Tarrant County Sheriff's Labor Board
Sigma Chi Fraternity Kappa Xl	TCC Construction Management Students
Sigma Gamma Rho Sorority – Nu Iota Chapter	TD Ameritrade Corporate Services
Sigma Gamma Rho/Zeta Delta Sigma	Team S.T.R.O.N.G.
Sigma Lambda Beta – Chi Alpha Chapter	Team Tr3Love
Sigma Lambda Gamma Sorority Omicron Beta Chapter	Texas 801 AF Jr. ROTC

Table 8.2 Public Participation - Groups Engaged Group Name	
Six R, Inc	Texas Adventist Emergency Communication
Slide-Lok of P.K. Lake	Texas Agricultural Experiment Station
Smithfield Masonic Lodge #455	Texas Brahmas Fan Club
Somervell County 4-H	Texas Power, LP
Somervell County Juvenile Services	Texas Star Designer Homes
Son Worshipers Motorcycle Ministry	TexComm Company
The Beau Fest Organization	UTA – ITE & TSPE
The Bessire Faimily	Valley Grove Baptist Church
The Biggars Family	Veterans of Foreign Wars Post 4746
The Burenheide Family	Vic McLane State Farm
The Corky Underwood Family	Wal-Mart Neighborhood Market Store #3392
The Dalton Family	Wal-Mart Supercenter #807
The Destiny Center – Royal Rangers Girls Ministries	Wal-Mart Supercenter #3274
The Grove	Wal-Mart Supercenter #2980 & #5247
The Harbor	Wal-Mart Supercenter #5080 & #5312
The Huffaker Family	Waverly Park Garden Club
The Levell Family & the Coker Family	Weatherford Boy Scout Troup 76
The Mark Murphy Family	Weatherford Chamber Junior Ambassadors
The Moore Family	TSU State Plowboys
The National Vietnam War Museum	TSU Student Government Association

Table 8.2 Public Participation - Groups Engaged Group Name	
The Ranch Owners Association	Tx 031 AFJROTC Wing
The Sigma Chi Fraternity, Theta Kappa Chapter	Unbreakable Ryders M.C.
Tim & Susan Matheus	United Methodist Motorcycle Enthusiasts
Tim's Towing (Springtown Imports)	US Air Force Recruiting Service 344 RCS
Tolar Baptist Church Youth Group	Weatherford High School – PAL
Tolar City Council	Weatherford NORML
Tolar FFA Chapter	Western Hills High School Key Club
Treetops School	Western Hills High School AFJROTC
TSU Athletic Dept.	Wise County Adult Probation 1
TSU Block & Bridle	Wise County Adult Probation 2
TSU Dairy Club	Wise Republican Women
TSU Music Organization	Witt Plumbing Company
TSU Music Organization (Kappa Kappa Psi)	Woodforest National Bank Employees
TSU Music Organization (Mu Phi Epsilon)	YMCA Camp Grady Spruce
TSU Music Organization (Phi Mu Alpha Sinfonia)	Young Men's Service League (Trailblazer)
TSU Music Organization (Tau Beta Sigma)	Zeta Phi Beta Sorority, Inc. OBZ
TSU Sigma Alpha	

Houston District

PHASE I

Year 9 TPDES Annual Report
Reporting Period: September 1, 2016 to December 1, 2016

I. Implementation of Status of SWMP

1. Structural Controls and Storm Water Collection System Operation
Continued operation and maintenance activities as described in SWMP

2. Areas of New Development and Significant Redevelopment

1,200	acres	Urban Forest maintained
41.13	acres	Seeded and Sodded areas in ROW for erosion control & aesthetics

3. Roadways

620	miles	Number of Adopt A Highway miles adopted in TxDOT Houston District
140	miles	Number of Adopted miles in permit area

4. Flood Control Projects
Continued efforts as described in SWMP

5. Pesticide, Herbicide, and Fertilizer Application

58.88	tons	Amount of Fertilizer used in the permit area
5	tons	8% Nitrogen
2	tons	4% Phosphorous
4	tons	6% Potassium

Personnel trained:

0	trained	Herbicide Equipment
0	trained	Herbicide Certificate

6.a. Preventing Illicit Discharges

0	requests	Requests for treated wastewater discharges

6.b. Infiltration of Seepage
Program does not apply to TxDOT

6.c. Floatables
Continued efforts as described in SWMP

6.d. Proper Management of Used Oil and Toxics
Personnel trained:

10	trained	Hazard Materials Awareness
4	trained	Hazardous Communications
1	trained	Haz/Com/Environmental

7. Spill Prevention and Response

10	incidents	Unintentional release incidents
43,034.03	dollars	Cost for response and cleanup
2	trained	Stormwater Pollution Prevention Plan

8. Industrial and High Risk Runoff
Program does not apply to TxDOT

9. Construction Site Runoff
Continued existing programs as described in SWMP

3	approved	How many NOIs
78	requests	Number of requests for drainage tie-ins

10. Public Education
Continued existing programs as described in SWMP

11. Monitoring Program
Continued existing programs as described in SWMP

12. Interim Bacteria Reduction Plan
Continued existing efforts as described in SWMP

II. Proposed Changes to SWMP

There were no revisions to SWMP

III. Revisions, if Necessary, to Assessments of Controls and the Fiscal Analysis Reported in Permit Application or the Most Recent Annual Report

There were no revisions needed

IV. Summary of Data, including Monitoring Data

4.a. Operations and Maintenance Activities

3,149,473	dollars	Total expenditures on Maintenance activities

4.b. NOIs and Small Construction Site Notices

78	requests	Number of requests for drainage tie-ins

4.c. Reviews and Inspections Performed
Continued existing efforts as described in SWMP

4.d. Investigations Performed and Enforcement Actions Taken

0	actions	Number of enforcement actions taken

4.e. Spill Response Activities

10	incidents	Unintentional release incidents
43034.03	dollars	Cost for response and cleanup

4.f. Public Education

N/A	fans	DMWT fans on TxDOT's Facebook page

How much was spent on advertising:

N/A	dollars	TV and Radio
5,158	dollars	Online Media ads
N/A	dollars	Outdoor advertising
8	rank	Houston's Nielsen 'Universe' ranking
2,450,800	number	Nielsen 'Universe' audience for Houston

Adopt A Highway:

35	groups	Number of active Adopt A Highway groups in the permit area
140	miles	Number of Adopt A Highway miles in the permit area

Don't Mess With Texas:

N/A	date	Don't Mess With Texas Trash-Off for 2016
N/A	groups	Number of DMWT volunteer groups
N/A	bags	Number of trash bags collected

4.g. Monitoring Data
Completed screenings in accordance with SWMP requirements and has continued efforts each year

V. Annual Expenditures for Reporting Period and Budget for Following Year

Current Permit Year:
(see attachment for Table V-1)

Projected:
N/A

VI. Identification of Water Quality Improvements, Bacteria Reduction Activities, Degradations, and Progress Toward Measurable Goals

Continued existing programs as described in SWMP

PHASE I

TABLE V-1
Estimated Implementation Costs for Texas Department of Transportation
Stormwater Management Program
(August 1, 2016 – Dec 31, 2016)

Section Number	Program Name	Estimated Costs (08/01/16 – 12/31/16)
1	Structural Controls and Stormwater Collection System Operation	$3,149,473
2	Areas of New Development and Significant Redevelopment	$0
3	Roadways	Included in 1 above.
4	Flood Control Projects (engineering and design only)	$504,506
5	Pesticide, Herbicide, and Fertilizer Application	$14,153
6.a	Preventing Illicit Discharges*	$43,034
6.b	Infiltration of Seepage	N/A
6.c	Floatables	$186,200
6.d	Proper Management of Used Oil and Toxics	Included in 6.a above.
7	Spill Prevention and Response	Included in 6.a above.
8	Industrial and High Risk Runoff	N/A
9	Construction Site Runoff	$663,181
10	Public Education	$5,158
11	Monitoring Program	$0
12.a	Bacteria Reduction Program	Included in 12.b & 12.c below.
12.b	Seasonal Loads and Representative EMC for Major Outfalls	$0
12.c	Collection of Representative Data	$90,000
13	Annual Report	$19,000
	Special Studies (TMDL)	$0
	Total	$4,674,705

PHASE II

Year 9 TPDES Annual Report
Reporting Period: September 1, 2016 to December 1, 2016

I. Implementation of Status of SWMP

1. Structural Controls and Storm Water Collection System Operation
Continued operation and maintenance activities as described in SWMP

2. Areas of New Development and Significant Redevelopment

1,200	acres	Urban Forest maintained
70.26	acres	Seeded and Sodded areas in ROW for erosion control & aesthetics

3. Roadways

620	miles	Number of Adopt A Highway miles adopted in TxDOT Houston District
480	miles	Number of Adopted miles in permit area

4. Flood Control Projects
Continued efforts as described in SWMP

5. Pesticide, Herbicide, and Fertilizer Application

118.06	tons	Amount of Fertilizer used in the permit area
9	tons	8% Nitrogen
5	tons	4% Phosphorous
7	tons	6% Potassium

Personnel trained:

0	trained	Herbicide Equipment
0	trained	Herbicide Certificate

6.a. Preventing Illicit Discharges

0	requests	Requests for treated wastewater discharges

6.b. Infiltration of Seepage
Program does not apply to TxDOT

6.c. Floatables
Continued efforts as described in SWMP

6.d. Proper Management of Used Oil and Toxics
Personnel trained:

1	trained	Hazard Materials Awareness
3	trained	Hazardous Communications
7	trained	Haz/Com/Environmental

7. Spill Prevention and Response

4	incidents	Unintentional release incidents
12,127.39	dollars	Cost for response and cleanup
2	trained	Stormwater Pollution Prevention Plan

8. Industrial and High Risk Runoff
Program does not apply to TxDOT

9. Construction Site Runoff
Continued existing programs as described in SWMP

4	approved	How many NOIs
78	requests	Number of requests for drainage tie-ins

10. Public Education
Continued existing programs as described in SWMP

11. Monitoring Program
Continued existing programs as described in SWMP

12. Interim Bacteria Reduction Plan
Continued existing efforts as described in SWMP

II. Proposed Changes to SWMP

There were no revisions to SWMP

III. Revisions, if Necessary, to Assessments of Controls and the Fiscal Analysis Reported in Permit Application or the Most Recent Annual Report

There were no revisions needed

IV. Summary of Data, including Monitoring Data

4.a. Operations and Maintenance Activities

4,849,781	dollars	Total expenditures on Maintenance activities

4.b. NOIs and Small Construction Site Notices

78	requests	Number of requests for drainage tie-ins

4.c. Reviews and Inspections Performed
Continued existing efforts as described in SWMP

4.d. Investigations Performed and Enforcement Actions Taken

0	actions	Number of enforcement actions taken

4.e. Spill Response Activities

4	incidents	Unintentional release incidents
12127.39	dollars	Cost for response and cleanup

4.f. Public Education

N/A	fans	DMWT fans on TxDOT's Facebook page

How much was spent on advertising:

N/A	dollars	TV and Radio
5,158	dollars	Online Media ads
N/A	dollars	Outdoor advertising
8	rank	Houston's Nielsen 'Universe' ranking
2,450,800	number	Nielsen 'Universe' audience for Houston

Adopt A Highway:

120	groups	Number of active Adopt A Highway groups in the permit area
480	miles	Number of Adopt A Highway miles in the permit area

Don't Mess With Texas:

N/A	date	Don't Mess With Texas Trash-Off for 2016
N/A	groups	Number of DMWT volunteer groups
N/A	bags	Number of trash bags collected

4.g. Monitoring Data
Completed screenings in accordance with SWMP requirements and has continued efforts each year

V. Annual Expenditures for Reporting Period and Budget for Following Year

Current Permit Year:
(see attachment for Table V-1)

Projected:
N/A

VI. Identification of Water Quality Improvements, Bacteria Reduction Activities, Degradations, and Progress Toward Measurable Goals

Continued existing programs as described in SWMP

PHASE II

TABLE V-1
Estimated Implementation Costs for Texas Department of Transportation
Stormwater Management Program
(August 1, 2016 – Dec 31, 2016)

Section Number	Program Name	Estimated Costs (08/01/16 – 12/31/16)
1	Structural Controls and Stormwater Collection System Operation	$4,849,781
2	Areas of New Development and Significant Redevelopment	$0
3	Roadways	Included in 1 above.
4	Flood Control Projects (engineering and design only)	$2,578,067
5	Pesticide, Herbicide, and Fertilizer Application	$41,434
6.a	Preventing Illicit Discharges*	$43,034
6.b	Infiltration of Seepage	N/A
6.c	Floatables	$8,400
6.d	Proper Management of Used Oil and Toxics	Included in 6.a above.
7	Spill Prevention and Response	Included in 6.a above.
8	Industrial and High Risk Runoff	N/A
9	Construction Site Runoff	$473,539
10	Public Education	$5,158
11	Monitoring Program	$0
12.a	Bacteria Reduction Program	Included in 12.b & 12.c below.
12.b	Seasonal Loads and Representative EMC for Major Outfalls	$0
12.c	Collection of Representative Data	$90,000
13	Annual Report	$19,000
	Special Studies (TMDL)	$0
	Total	$8,108,412

Laredo District

TEXAS DEPARTMENT OF TRANSPORTATION

Annual Report to the Texas Commission on Environmental Quality

TPDES MS4 Permit No. WQ0004592000

September 2016 Through December 2016

Item 1. The status of implementing the storm water management program(s):

- This program is at 100% implementation.
- The activities and reports under the previous implementation schedule have been completed and will continue to be implemented.

Item 2. Proposed changes to the storm water management program(s) [SWMP]:

- No changes are proposed.

Item 3. Revisions, if necessary, to the assessments of controls and the fiscal analysis reported in the permit application or the most recent annual report:

- No revisions are proposed.

Item 4. A summary of the data, including monitoring data that is accumulated throughout the reporting year:

- This information is compiled by the City of Laredo for TxDOT facilities within the City of Laredo.

Item 5. A summary of the NPDES and TPDES Notices of Intent received for each general permit, the number of site notices received from small construction site operators seeking coverage for storm water discharges, and the number of inspections conducted at industrial facilities and construction sites:

- This information is compiled by the City of Laredo.

Item 6. Annual expenditures for the reporting period, with a breakdown for the major elements of the SWMP, and the budget for the year (September 1 to August 31) following each annual report:

- As per the inter-local agreement with the City of Laredo as a co-permittee, TxDOT, Laredo District (22), has paid the City of Laredo $11,000.00 for managing programs required by the permit in September, October and December 2016. The TxDOT – Laredo District spent $174,470 on street sweeping, $53,947 on mowing and $73,493 on litter/debris pickup activities within the Laredo permit area in this reporting period. TxDOT personnel involved management of this permit was two with approximately $1,500.00 expended for the year.

Item 7. Summary of enforcement actions, inspections and public education programs:

- No enforcement actions have taken place in regards to TxDOT facilities within the MS4 permit area during this year of the permit implementation.
- No TxDOT construction projects were inspected by TCEQ personnel in the last reporting period.
- TxDOT is currently running Public Service Announcements on local channels and provides educational materials to contractors and the public. For contractors on large projects, TxDOT provides rain gauges for each construction site so the performance of BMPs utilized on site may be evaluated and, in addition, an educational, bilingual poster titled "Basic Principles of Erosion and Sediment Control and Other Source Controls" that illustrates proper construction site preparation and maintenance guidelines is provided. TxDOT – Laredo District personnel also conduct random, informal inspections of active construction sites in the permit area to assist in compliance with the TPDES permit. The TxDOT – Laredo District has also developed, updated and distributed to construction personnel the *SW3P Field Office How-To Manual* to facilitate the proper implementation of the TPDES permit and the TCEQ Construction General Permit. TxDOT also produced a flyer titled "Wildflowers: a Natural Water Filter". The TxDOT Laredo District staff has participated in three public events during the permit period that touched on the importance of water quality issues in the Laredo community. In addition, the TxDOT Laredo District personnel have also participated in one “Adopt-A-Highway” roadside cleanup event. In this past reporting period there have been a total of twenty two private and civic groups involved in the “Adopt-A-Highway” program that averaged four cleanups each inside of the permit area and which are allocated and permitted through the TxDOT Laredo District office.

Item 8. Identification of any water quality improvements, degradations, and progress toward any measurable goals or measured reduction in pollutants:

- There have been no changes from the existing plan in this reporting period.

Item 7. Identification of water quality improvements or degradation:

- The Canal Street monitoring station provides indicator data to determine water quality improvement or degradation for typical TxDOT facilities in the permit area. Please see the 'Calibration Certificate' for the Canal Street monitoring station enclosed with the City of Laredo annual report.

Lubbock District

MEMO

November 14, 2017

To: Adrienne Boer
Project Manager ENV

From: Karen Bradshaw
Environmental Specialist
Lubbock District

Subject: *MS4 Phase I Exhibits*

The attached serves as our annual report for the Phase I Lubbock District Permit No. WQ0004773000. Following language in the Statewide Permit, "The permittee shall submit a concise statewide annual report…" and, "The first annual report must include interim months between last reporting periods of expired permits to the permit effective date of this permit."

The attached exhibits are included for the Phase I area for the period of June 2016 to November 30, 2016 for activities completed by TxDOT in this co-permitted permit. These exhibits are generally included with the Phase I annual report and information on these exhibits generally changes annually. These exhibits document BMPs completed during the months since the last annual report and when we received the statewide permit, as follows:

Exhibit 1.1.6 shows the BMPs for "tracking permanent control measures" that were completed for the permit.
Exhibit 2.4 shows the BMPs for "areas of new development / redevelopment" for U.S. 62/82 of the Marsha Sharp Freeway.
Exhibit 3.4 shows the BMPs for "roadways" including annual costs for various maintenance activities, floatables monitoring, and Adopt-A-Highway.
Exhibit 10.4.2 shows the BMPs for "public education" that include various storm water information pamphlets and tools that are given out during pre-construction meetings to the contractor and to the general public at public meetings and hearings.

Exhibit 1.1.6 AUTHORIZATION TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARAGE ELIMINATIONS SYSTEM (TPDES)

TPDES Permit Number WQ0004773000 **Annual Report to the Texas Commission on Environmental Quality**

Section 1.0 Tracking Permanent Control Measures

Exhibit 1.1.6 Description of Various Lubbock District Projects, Type of Environmental Documentation, and the Use of "Other Contorls"

Maintenance Activity	**Performance Measures**	**Specific Activi** Dates (month - year)						
Insperction and Cleaning of:		**inspection/compliance**						
outfalls	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
catch basins	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
grates	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
storm water pump stations	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
storm drain sewers	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
storm water treatment ponds and basins	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
drainage ditches	as needed	various	various	various	various	various	various	various
revegatation of eroded areas	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
invasive plant removal removal	as needed	as needed throughout the year / during routine performance of dailyjob duties						
sediment removal & proper disposal	as needed	as needed throughout the year / during routine performance of dailyjob duties						
eroded bank re-vegetation	as needed	as needed throughout the year / during routine performance of dailyjob duties						
vegetation stabilization	as needed	as needed throughout the year / during routine performance of dailyjob duties						
litter and debris removalcontrol	monthly	as needed throughout the year / during routine performance of dailyjob duties						
pump stations	as needed	as needed throughout the year / during routine performance of dailyjob duties						
street sweeping	as needed	as needed throughout the year / during routine performance of dailyjob duties						
extended detention (wet/dry) ponds	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
sedimenation ponds	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
filtration ponds	semi-annual inspection	n/a	n/a	n/a	n/a	n/a	n/a	n/a
vegetation controls	semi-annual inspection	09-2008*	05-2009	01-2010	05-2011	05-2012	05-2013	05-2014
constructed wetlands (Playa lake 44)	compliance with all permit terms				05-2011			
Playa Lkae 44: adherence to Corps of Engineers permit requirements	complete							
Permit Number 200300284		07-2007	02-2008	02-2009	complete	complete	complete	complete
		07-2007	03-2008	04-2009	complete	complete	complete	complete
09-2008* June 5, 2010 to June 6, 2010								

Exhibit 2.4 AUTHORIZATION TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATIONS SYSTEM (TPDES)

TPDES Permit Number WQ0004773000 **Annual Report to the Texas Commission on Environmental Quality**

Section 2.0 Areas of New Development and Redevelopment

Exhibit 2.4 Description of Various Lubbock District Projects, Type of Environmental Documentation, and the Use of "Other Controls" in Highway Construction

				Other Controls Initiated as a Part of Highway Construction			
Highway	**CSJ**	**Project Limits**	**NEPA Level Documentation***	**1. curb elimination**	**2. reduce direct discharges**	**3. reduce runoff velocity**	**4. est / maintain vegetation**
U.S. 62/82 Phase 5B MS Freeway		various	CE	no	no	yes	yes

Year* construction or maintenance extends into reporting period

note **1** no curb elimination was undertaken on any of the listed projects

note **2** where the response is "no" there is no potential for direct discharges

note **3. & 4.** where the response is "yes," an SW3P is required as a part of the project design; where the response is "no," no SW3P was required to implement this project

EIS Environmental Impact Statement
EA Environmental Assessment
CE Categorical Exclusion

Section 3.0 Roadways

Exhibit 3.4 Annual Costs of Various District Maintenance Activities, Floatable Monitioring, and Adopt-a-Highway 2015-2016 and Proposed Budget 2016-2017

Maintenance Activity **2015-2016**

Function Code	Tasks		Cost		Budget 2016-2017
521	litter; removal and disposal from right-of-way	$	71,125.00	$	305,573.00
522	street sweeping: routine street sweeping	$	40,813.00	$	202,013.00
524	spot litter patroling: removal & disposal of litter	$	638.00	$	14,122.00
525	Adopt-a-Highway: signs and equipment	$	1,887.00	$	10,200.00
541	chemical vegetation control-edges	$	3,270.00	$	21,054.00
542	chemical vegetation control-spray	$	6,391.00	$	42,365.00
552	tree and brush control; trimming , pruning, disposal	$	3,788.00	$	42,114.00
561	ditch maintenance: remove silt, filling eroded areas	$	29,052.00	$	209,588.00
570	culvert & strom drain mainten: remove silt, clean	$	2,625.00	$	15,800.00
		$	2,041.00		
571	stormwater pump mainten: repair, remove debris, litter	$	2,222.00	$	9,000.00
	total expenditures	$	163,852.00	total budget	$871,829.00

Adpot-a-Highway Groups

Lubbock District 53

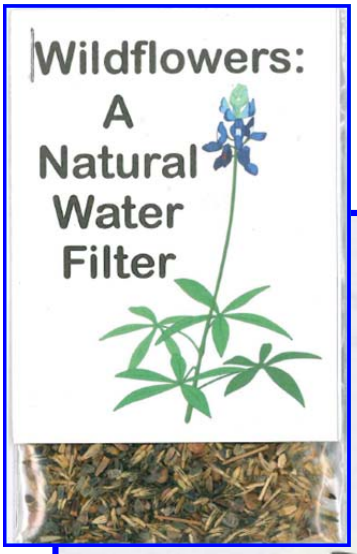
55-gallon bage size

9 miles

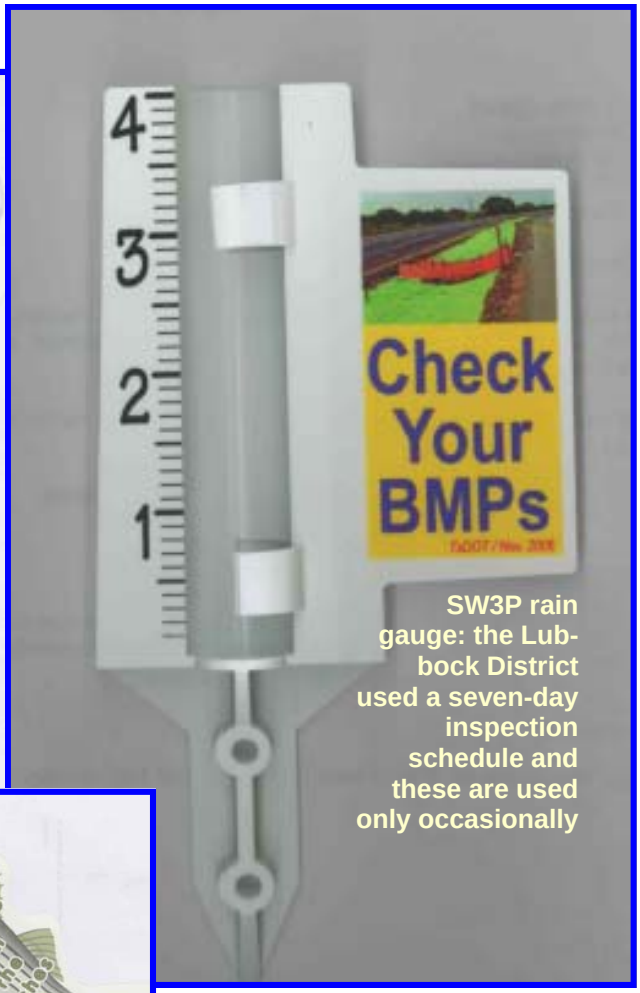
Figure 10.4.2 Local Components of TxDOT's (Lubbock District) Public Education Program

Various Storm Water Informational Pamphlets and Tools

SW3P Information / Tool	Provided to:	Intended Use	Estimated No. Distributed
swimming with the Fishes	to potential public hearing attendees	This are hung on doors with the hand delivery of public hearing notices	0
SW3P Rain-gauge	construction contractors	These are used to determine the need for an sw3p inspection in many instances; since the district observes a 7-day inspection, the rain-gauges are not normally used.	1
wildflower seed & note pamphlet	general public	to educate the public to the value of vegetation as a water filter and encourage the planting of vegetation	0



Swimming with the Fishes—-with basic water quality information.



SW3P rain gauge: the Lubbock District used a seven-day inspection schedule and these are used only occasionally

Texas Department of Transportation



Texas Department of Transportation – Lubbock District

Annual Report
TPDES Phase II MS4 General Permit No. TXR040169

Including 2010 Census Urbanized Area

Reporting Period: August 13, 2016 – November 30, 2016

Permit No.: TXR040169 / TxDOT Lubbock District

Phase II (Small) MS4 Annual Report Form
TPDES General Permit No. TXR040169

A. General Information

1. Permit No. _____TXR040169_____Annual Report Period: August 13, 2016 – November 30, 2016

   Name of MS4 / Permittee: Texas Department of Transportation – Lubbock District

   Contact Name: Karen Bradshaw_____ Telephone Number: __806-748-4377_____

   Mailing Address: 135 Slaton Road, Lubbock, Texas 79404-5201_____

   E-mail Address: _Karen.Bradshaw@txdot .gov_____

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes ___X____ No

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

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X_____ No

   If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

   Permit Number: _____ Permittee: _____

   Permit Number: _____ Permittee: _____

4. Is this a system-wide annual report including information for all permittees? _____ Yes ____X___ No

Explanation, if any ____n/a_____

5. Has a copy of this annual report been submitted to the TCEQ Regional Office? ____X___ Yes _____ No

B. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. 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
   b. If Yes to the above, has the TCEQ already approved the original SWMP? _____ Yes _____ No

_____n/a_____

   c. If Yes to the above, indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) _____ Yes _____ No

_____n/a_____

2. The MS4 has annexed lands since obtaining permit coverage. _____ Yes ____X___ No

3. A receiving water body is newly listed as impaired or a TMDL has been established. _____ Yes ___X____ No

4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes _____X__ No

Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

____n/a_____

C. Narrative Provisions.

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	**X**		As described in Table 2 in Part D, we [Lubbock District] are in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	**X**		This report brings us current with the reporting requirements. Supporting records can be inspected at the address indicated on the NOI.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	**X**		We meet the eligibility requirements described in Part II.C., including those requirements pertaining to TMDLs, Edwards Aquifer, and compliance history.

2. Provide a general assessment of the appropriateness of the selected BMPs:

   Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? _____ Yes ___X___ No

   Provide explanation:
   _____BMPs are appropriate_____

   _____

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

   While we do not have analytical data that demonstrates a measurable pollutant reduction, progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) can be quantified in terms of BMP implementation and progress towards meeting our measurable goals. This is consistent with 40 CFR §122.34The , which states "Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the 'maximum extent practicable.'" Even though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that said litter will pollute storm water, resulting in a clear, although not quantified, pollutant reduction.

   The progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) for the district can be measured by implementing the following BMPs:

MCM-1, BMP: Flyers and Brochures

Public education and outreach on stormwater impacts can improve stormwater quality discharged to the MS4. Providing the public with educational materials on the effect of pollution in storm water runoff assists in reducing the discharge of pollutants to the MEP. There was one Public Meeting for the Loop 88-Segment 3 [Outer Route]) project that serves the MS4 Phase II area and there were 308 educational materials distributed.

MCM-1, BMP: Education of Construction Site Personnel

Site personnel who are directly involved in construction activities within the TxDOT right of way can directly influence the quality of storm water runoff discharged from the MS4. Providing them with educational materials on the effect of pollution in storm water runoff assists in reducing the discharge of pollutants to the MEP. There were no pre-construction meetings that serve the MS4 Phase II area; therefore, no educational materials were distributed.

MCM-1, BMP: Education of Utility Personnel

Utility personnel who are directly involved in construction activities within the TxDOT right of way can directly influence the quality of storm water runoff discharged from the MS4. Providing them with guidance materials on the effect of pollution in storm water runoff assists in reducing the discharge of pollutants to the MEP. There were no utility permits issued for projects that are in or serve the MS4 Phase II area; therefore, no water quality guidance sheets were distributed.

MCM-2, BMP: Adopt-A-Highway Program

Providing educational materials on the effect of pollution in storm water runoff to the volunteers, and removing floatables and other solid waste materials from the right of way have reduced the discharge of pollutants to the MEP. Six (6) miles of highway were adopted in the Phase II area. Approximately 75 – 55 gallon trash bags were collected in the Phase II area.

MCM-2, BMP: Keep Lubbock Beautiful Program

The Keep Lubbock Beautiful (KLB) Program provides information to the public to preserve a beautiful and sanitary environment that is beneficial to the health, safety, and welfare to the citizens of Lubbock which reduces the discharge of pollutants to the MEP. The Keep Lubbock Beautiful Advisory Committee meets monthly. KLB Projects: Beautification and Cleanup Programs; litter removal from parks, playa lakes, and neighborhoods; and provide educational information for over 230,000 Lubbock residents.

MCM-3, BMP: Develop Storm Sever Outfall Inventory Map

This map was determined to be an appropriate BMP for locating and tracking potential illicit discharges to the MS4, and will assist in reducing the discharge of pollutants to the MEP. The district identified and mapped 21 outfalls (in year two) within the MS4 area. This represents approximately 100% of the estimated total outfalls to be mapped in the Phase II area.

MCM-3. BMP: Update Outfalls

There were no new development or re-development projects that serve the MS4 Phase II area; no new outfalls have been recorded.

MCM-3. BMP: Dry Weather Screening Monitoring

Regulated outfalls were screened for dry weather flow and potential illicit discharges. The monitoring was determined to be an appropriate BMP for adequately locating and tracking potential illicit discharges to the MS4 Phase II area, and will assist the district in reducing the discharge of pollutants to the MEP. The district screened 21 outfalls in year two, identified no dry weather flows; therefore no corrective action was required.

MCM-4, BMP: Compliance with the CGP

The practice to ensure compliance with the TPDES construction general permit was determined to be an appropriate BMP for controlling storm water runoff from construction sites and has assisted the district in reducing the discharge of pollutants to the MEP. There were no CGP NOIs for large or small projects required to authorize TxDOT construction projects within the boundaries of or serves the small MS4. The activities taken to ensure compliance according to the plan are recorded and kept in the district record file.

MCM-4, BMP: Identify and eliminate discharges from construction sites outside of ROW with inadequate controls

The selected BMP was evaluated and determined to be an appropriate BMP for limiting the discharge of pollutants to the regulated MS4 from construction activities outside of the TxDOT right of way and jurisdiction. The district identified no discharges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls.

MCM-5, BMP: Inspection and Maintenance of Permanent Control Measures

The inspection and maintenance of permanent control measures to ensure that control measures remain in good condition and continue to control storm water runoff have reduced the discharge of pollutants to the MEP. Approximately 100% of the Phase II area was surveyed. Routine maintenance activities were performed, including the occasional and irregular removal of trash and debris from culverts.

MCM-5, BMP: Plan Review

The selected BMP, the practice to review construction plans for the appropriate choice of post construction storm water management and to incorporate storm water controls to address storm water runoff was determined to be an appropriate BMP for controlling storm water runoff from construction sites and will assist the district in reducing the discharge of pollutants to the MEP. Plans were reviewed for the Loop 88-Segment 3 (Outer Route) road-widening project that is within or will serve the MS4 Phase II area.

MCM-6, BMP: Facility Inspections:

The selected BMP is to ensure that inspections are completed on all district facilities at least once per permit term. This BMP was determined to be an appropriate BMP for controlling the discharge of pollutants. This BMP will assist the district in reducing the discharge of pollutants to the MEP. The district has no facilities within the Phase II area that require a Facility Operations Environmental Advisory Survey Report.

MCM-6, BMP: Employee Training

The selected BMP is to ensure district employees attend at least one training class per permit term. The BMP was evaluated and determined to be an appropriate BMP for providing information to personnel on environmental issues that can encourage the control for the discharge of pollutants in the MS4 from district operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP. The district has twelve on-line storm water-related training classes available for employees on the TxDOT Crossroads Website and three on-line storm water-related training classes available for contractor employees on the TxDOT Internet Website. There are also instructor-led classes held in the Lubbock District during this reporting period.

MCM-6, BMP: Disposal of Waste

The selected BMP is to ensure proper disposal of solid wastes. The BMP was determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from district operations. This BMP will assist the district in reducing the discharge of pollutants to the MEP. Approximately 75 – 55 gallon of litter were removed from roadways by the Adopt-A-Highway Program and properly disposed of.

MCM-6, BMP: Inspection of Structural Controls for Sand and Rock Storage Areas

There are no sand and rock storage areas in the MS4 Phase II area.

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

   The above programs have assisted the district in reducing the discharge of pollutants to the MEP. The following obstacle or challenge in implementing the program as follows:

   * Budget cuts – the district has a reduced budget to mow or pick up litter from the roadways. Litter from the Phase II area roadways will only be picked up by members of the Adopt-A-Highway Program – no contracted litter pick-ups.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated via notices of intent or site notices:

   We received no NOI and no Construction Site Notices

6. Does the permittee utilize the 7th MCM related to construction? _____ Yes ____X___ No

   If Yes, then provide the following information:

   a. The number of municipal construction activities authorized under this general permit: _____N/A_____

   b. The total number of acres disturbed for municipal construction projects: _____N/A_____

   Though the 7th MCM is optional, this must be requested on the NOI or on a NOC and approved by the TCEQ.

7. Requirements for Specific Minimum Controls Measures (MCMs):

   a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM. (See Attachment A)

b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.). (See Attachment A)

c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

Not applicable; we utilize the list in the permit.

8. Describe any proposed changes to the SWMP in the coming reporting year.
na

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

D. Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)*

Please note: Since each of our BMPs have measurable goals, TxDOT combined Tables 1 and 2 in the original template in order to minimize redundancy.

Table 2 – BMP and Measurable Goals Status

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones / Accomplishments	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal, -Exceeded Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1 - Public Education and Outreach on Storm Water Impacts	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and/or brochures prior to and during project public meetings/hearings and during preconstruction meetings that are in or that serve the MS4 Phase II area	Record date, project, and quantities of doorknob hangers distributed	One public meeting for the Loop 88-Segment 3 was held for a project that serves the MS4 Phase II area and there were 308 educational materials regarding the prevention of storm water pollution distributed See Attachment A for documentation of the activities used to fulfill MCM1	Completed 08/13/2016 – 11/30/2016	met goal	N
MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide water quality materials	Record date of preconstruction meetings attended	There were no pre-construction meetings that serve the MS4 Phase II area; no educational materials were distributed	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Utility Personnel (Target Audience - Construction Site Personnel, Public Service Employees) for projects located within Phase II areas	Distribute SW3P guidance sheets to all utility contractors applying for permit to install utilities for projects that are in or serve the MS 4 Phase II area and provide water quality materials	Record date and project where SW3P guidance sheets were distributed	There were no utility permits issued in the Phase II area; therefore, no water quality guidance sheets were distributed	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the MS4 Phase II through Adopt-A-Highway events.	Remove litter and other solid waste from the MS4 Phase II area through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, cubic yards of materials removed	Six (6) miles of highway are adopted in the Phase II area. Approximately 75 – 55 gallon trash bags collected in the Phase II area	Completed 08/13/2016 – 11/30/2016	Met goal	N

MCM 2 - Public Involvement and Participation	"Keep Lubbock Beautiful" Program. Remove litter and other solid waste from the M4 through Keep Lubbock Beautiful events	Remove litter and other solid waste from the M4 through Keep Lubbock Beautiful events	Record date of events	Twelve (12) "Keep Lubbock Beautiful" Advisory Committee Meetings were held KLB Projects: *Volunteers for beautification and cleanup programs *Remove litter from parks, playa lakes, and neighborhoods *Provide educational information to over 230,000 Lubbock residents	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	Identify and map on a schedule such that every outfall is mapped by the end of the 5-year implementation period	Provide a list or printed map of outfalls inventoried and an estimate of the remaining MS4 that needs to be mapped	Twenty-one (21) MS4 Phase II outfalls were identified and mapped. This represents approximately 100% of the estimated total outfalls to be mapped in the Phase II area	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 3 - Illicit Discharge Detection and Elimination	Update Storm Sewer Outfall Inventory Map	Track construction projects within the Phase II area and determine relocation of new and relocated outfalls	Provide records to document updated map	There were no new or re-development projects that serves the MS4 Phase II area; no new or relocated outfalls have been recorded.	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen outfalls on a schedule so all outfalls will be screened by the end of the 5-year implementation period	Provide a list of outfalls for which dry weather screening was performed	Twenty-one (21) MS4 Phase II outfalls were screened in year two for dry weather flow and potential illicit discharges; no dry weather flows were identified; therefore, no corrective action was required	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	Implement the plan to ensure TxDOT will comply with, and require its contractors to comply with the CGP	Record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. Record the activities taken to ensure compliance according to the plan	There were no CGP NOIs for large or small projects required to authorize TxDOT construction projects within the boundaries of or serves the small MS4. The activities taken to ensure compliance according to the plan are recorded and kept in the district records file	Completed 08/13/2016 – 11/30/2016	Met goal	N

MCM 4 - Construction Site Storm Water Runoff Control	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	DEQC (District Environmental Quality Coordinator) will, during project surveys, identify dis-charges to the MS4 from projects outside the ROW that may have inadequate SW3P measures or controls. Follow procedures described in Section 5.B. of the SWMP to resolve the issue	Identified no discharges to the MS4 from projects outside the ROW that may have inadequate SWP3 measures or controls	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Re-development	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	Establish a schedule to survey the entire MS4 Phase II area at least once during the permit term. Establish a maintenance schedule and perform the needed maintenance identified during survey activity for this year	Record the maintenance activities and the percentage of the Phase II area that was surveyed	Approximately 100% of the Phase II area was surveyed. Routine maintenance activities were performed, including the occasional and irregular removal of trash and debris from culverts	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Re-development	Determine the need for storm water structural controls in areas of new development and redevelopment	Identify stormwater runoff issues during planning, design, and project development process for new development and redevelopment of transportation facilities (planning may include preparation of NEPA study documents and the results of DECQ surveys). Incorporate stormwater controls to address hydraulic and water quality issues	Document stormwater issues addressed during the planning, design, and project development process and the resultant controls that were implemented	There were plans reviewed for the Loop 88-Segment 3 (Outer Route) project within the Phase II area; there will be no discharges to the MS4 from adjacent areas that would cause erosion or similar water quality issues within the Phase II area.	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report)	There are no facilities within the Phase II area that require a Facility Operations Environmental Advisory Survey Report	Completed 08/13/2016 – 11/30/2016	Met goal	N

MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	TxDOT employees will attend at least one training class per permit term	Provide a list of training courses with a copy of the class roster and date class was administered; alternatively provide a list of the title and date of courses offered	The district has twelve on-line storm water-related training classes available for employees on the TxDOT Crossroads Website and three on-line storm water-related training classes available for contractor employees on the TxDOT Internet Website. There were also instructor-led storm water-related classes held at the district during the reporting period.. The date and class an employee received training is kept in the Department's Human Resource database and is accessible only by the district administrative services section	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Ensure proper disposal of litter and debris removed from roadways by litter collection and/or street sweeping. Ensure proper disposal of spoil materials removed during maintenance of drainage ditches and structural controls	Record volumes and nature of disposed waste	Approximately 76 – 55 gallon trash bags of litter were removed from roadways by the Adopt-A-Highway Program and properly disposed of	Completed 08/13/2016 – 11/30/2016	Exceeded goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand and ice rock storage areas.	Inspect structural controls at least once per year. Determine the need for maintenance, repair, or replacement and schedule follow-up actions as is necessary	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions	There are no sand and rock storage areas in the MS4 Phase II area	Completed 08/13/2016 – 11/30/2016	Met goal	N

Attachment A
DOCUMENTATION OF THE ACTIVITIES CONDUCTED,
MATERIALS USED, AND AMOUNT OF RESOURCES USED TO ADDRESS EACH GROUP
TO FULLFILL THE MCM -1 (PUBLIC EDUCATION AND OUTREACH)

Activities	**Target Group (school, visitor, business, employee, construction personnel, etc.)**	**Locations**	**Materials/Resources**	**Quantity**
Meeting with Affected Property Owners (MAPO) / Public Meetings / Public Hearings	Local Citizens		"Look What is Swimming with the Fishes" flyer ", "TxDOT Anti-Litter Campaign Litter bags" flyer; and "Don't Mess With Texas" bumper stickers,	One public meeting was held for a project Loop 88-Segment 3 Projects that serves the MS4 Phase II area and there were 308 educational materials distributed.
Pre-construction Meetings	Contractors	TxDOT Campus	Lubbock District Pre-Con Checklist of Environmental Topics; Project Specific Location (PSL) Guide Pamphlet; Rain-gauge	No pre-construction meetings were held for projects that serve the Phase II area; no educational materials were distributed
Adopt-A-Highway	Local Citizens		Remove Litter and other solid waste from the MS4 Phase II area through Adopt-A-Highway events	Six (6) miles of highway are adopted in the Phase II area. Approximately 75 – 55 gallon trash bags were collected in the Phase II area

Odessa District

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Year Milestones/ Accomplishment/	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal, -Exceeded Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1 - Public Education and Outreach on Storm Water Impacts	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings/hearings that are in or that serve the MS4 Phase II area.	Estimated quantities and description of material distributed or posted, and date of public meeting/hearing where materials were distributed or copies of sign-in sheet where materials were distributed.	**31** Flyers and Brochures regarding the prevention of storm water pollution were distributed. See **Attachment A** for documentation of the activities used to fulfill MCM1.	Completed 8-13-2016 to 12-31-2016		N

MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS4 Phase II area and provide water quality materials.	Record date and project where posters were distributed.	There were **Zero (0)** pre-construction meetings for projects that are in or serve the MS4 Phase II area; typically 10 to 20 people attended those meetings. (SW3P and MS4 topics are always covered).	Completed 8-13-2016 to 12-31-2016		N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the M4 through Adopt-A-Highway	Enlist new AAH groups for roadway segments not adopted.	Record the number of new groups enlisted.	There were **0** new groups enlisted.	Completed 8-13-2016 to 12-31-2016		N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the M4 through Adopt-A-Highway	Notify enlisted AAH groups of upcoming statewide recommended trash pick-up events.	Record the number of groups notified.	There were **0** groups notified.	Completed 8-13-2016 to 12-31-2016		N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Record the date of events, report how many miles of MS4 were affected and how many gallons of litter were removed.	The District had **0** events scheduled during this time frame. .	Completed 8-13-2016 to 12-31-2016		N

MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	Identify and map on a schedule such that every outfall is mapped by the end of the 5-year	Provide a list or printed map of outfalls inventoried and an estimate of the remaining MS4 that needs to be mapped.	No outfalls remain to be identified in the Phase II area. See **Attachment C** for map and list of outfalls.	Completed 8-13-2016 to 12-31-2016		N
MCM 3 - Illicit Discharge Detection and Elimination	Update Storm Sewer Outfall Inventory Map	Update the map to include new and relocated outfalls.	Provide records to document updated map.	Outfall Inventory Map is current and no new outfalls have been identified for Year 5d. See **Attachment C**.	Completed 8-13-2016 to 12-31-2016		N
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen all of the outfalls in the most current map available. Alternatively, establish a screening	Provide a list of outfalls for which dry weather screening was performed. Summarize and report all follow-up actions resulting	In July 2010, all the outfalls listed in **Attachment C** were screened by TRC Environmental Corporation. No illicit discharges were detected.	Completed 8-13-2016 to 12-31-2016		N
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	Implement the plan to ensure TxDOT compliance with the CGP on construction projects and	Record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the	There were **Zero (0)** NOIs for large projects and **Zero (0)** CSNs for small projects within the boundaries of the MS4 area during the plan year.	Completed 8-13-2016 to 12-31-2016		N
MCM 4 - Construction Site Storm Water Runoff Control	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	Implement the plan to identify discharges to the MS4 from construction projects and PSL's that may have	Record and describe incidences of construction site runoff with inadequate controls. Record corrective measures taken.	Identified **zero (0)** discharges to the MS4 from projects outside the ROW that may have had inadequate controls.	Completed 8-13-2016 to 12-31-2016		N

MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	Survey the entire MS4 Phase II area to identify needed maintenance, establish a maintenance schedule, and perform	Record the maintenance activities and the percentage of the Phase II area that was surveyed.	During the plan year, 100% of the MS4 Phase II area was surveyed. Quantities of the various activities are captured in MMIS. Activities include litter and debris pickup, mowing, vegetation management, ditch maintenance and reshaping and maintenance of SWP3 devices.	Completed 8-13-2016 to 12-31-2016		N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Determine the need for storm water structural controls in areas of new development and redevelopment	Identify stormwater runoff issues during planning, design, and project development process for new development and redevelopment of transportation facilities. Incorporate	Document stormwater issues addressed during the planning, design, and project development process and the resultant controls that were implemented.	During Year 5e, plans for **zero (0)** construction projects within the Odessa/Midland Urbanized Area MS4 were reviewed for storm water controls. Where required, soil stabilization and existing vegetation preservation was provided for erosion control and silt fencing was provided for sedimentation control.	Completed 8-13-2016 to 12-31-2016		N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).	See **Attachment D** for copy of inspection report.	Completed 8-13-2016 to 12-31-2016		N

MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively	**See Attachment E.**	Completed 8-13-2016 to 12-31-2016		N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Ensure proper disposal of litter and debris removed from roadways by litter collection and/or street sweeping. Ensure proper disposal of spoil materials removed during maintenanc e of drainage ditches and structural	Record volumes and nature of disposed waste.	Removal of litter and debris and street sweeping are performed by state forces and contractors within the MS4 area. Litter and debris are disposed of at state licensed landfills and consists of paper, metal, plastic, rubber, wood and may include large items such as furniture and appliances. During Plan Year 5c, litter was that yielded approximately **35,000** cubic feet of litter. The district removed **Zero (0)** cubic yards of spoil materials from culverts in the Phase II area and properly disposed of it. All waste was properly disposed at state licensed landfills.	Completed 8-13-2016 to 12-31-2016		N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand and ice rock storage areas.	Inspect structural controls at least once per year. Determine the need for maintenanc e, repair, or replacement and	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions.	For the Odessa and Midland Maintenance Sections, sand and ice rock are placed among other materials that serve as containment control devices. For the mild winters in West Texas, sand and ice rock are seasonal materials used occasionally and completely used up during the winter season (No	Completed 8-13-2016 to 12-31-2016		N

Attachment A

DOCUMENTATION OF THE ACTIVITIES CONDUCTED,
MATERIALS USED, AND AMOUNT OF RESOURCES USED TO ADDRESS EACH GROUP
TO FULLFILL THE MCM -1 (PUBLIC EDUCATION AND OUTREACH)

Activities	Date	Target Group (school, visitor, business, employee, construction personnel, etc.)	Locations	Materials/Resources	Quantity
Distribute Flyers/Brochures	October 18, 2016	Public	Public Meeting: Crane Elementary School Multi-Purpose Room	"You Won't Believe What's Swimming With The Fishes" fish door hangers	2
				"It's a Fact: Our Streets Can Contribute to Pollution In Our Creeks" Brochures	2
				"Take Care of Texas" stickers	4
				"Five Ways to Take Care of Texas" English/Spanish bookmarks	2
				"Storm Drain Marking" booklet	1
				"Only Rain Down the Drain" temporary tattoos	5
				"TxDOT Green" recycle magnet	1
Distribute Flyers/Brochures	October 20, 2016	Public	Public Meeting: McCamey High School Auditorium	"You Won't Believe What's Swimming With The Fishes" fish door hangers	3
				"It's a Fact: Our Streets Can Contribute to Pollution In Our Creeks" Brochures	0
				"Take Care of Texas" stickers	3
				"Five Ways to Take Care of Texas" English/Spanish bookmarks	1
				"Storm Drain Marking" booklet	1
				"Only Rain Down the Drain" temporary tattoos	4
				"TxDOT Green" recycle magnet	2

Attachment C
MCM 3

LIST OF OUTFALLS and MAP

ECTOR COUNTY	
IH 20	11
BI 20E	10
US 385	1
SH 191	18
SH 302 (West Loop 338)	6
FM 1882 (West County Road)	11
FM 1936	7
FM 2020 (University Blvd.)	21
FM 3472 (16th St.)	2

MIDLAND COUNTY	
IH 20	11
BI 20E	8
SH 349	3
Loop 250	10
SP 588 (Faudree Road)	7
FM 868 (Midland Drive)	4
BS 349	7

Attachment D

Environmental Facility Advisory Survey Report
Odessa District

In January 2009, Environmental Affairs Division (ENV) staff conducted a Facility Advisory Survey of selected Odessa District facilities. ENV conducts these surveys for the purpose of assessing the District's compliance with various environmental regulations associated with facility operations. These surveys are used to verify the effectiveness of each District's environmental compliance program and to provide feedback that will improve Department processes and reduce the Department's exposure to operations that lead to violations of environmental regulations.

Surveyed Facilities

The facilities included in this survey were the Odessa District complex, and eleven district maintenance facilities including those located in: Odessa, Midland, Stanton, Pecos, Balmorrhea, Fort Stockton, Crane, McCamey, Iraan, Kermit, and Andrews.

District Program Areas Surveyed

The specific program areas surveyed included the following:

1. Solid Waste Management.
2. Hazardous Waste Management.
3. Used Oil and Oil Filter Management.
4. Used Antifreeze Management.
5. Used Lead Acid Battery Management.
6. Scrap Tire Management.
7. General Housekeeping.
8. Equipment Washing Wastewater Management.
9. Spill Prevention Control and Countermeasure Planning.
10. Petroleum Storage Tank Management.

Survey Procedures

An environmental survey checklist, prepared by ENV, was used to conduct each facility survey. Issues noted during the survey were indicated on the checklist. Specific regulatory citations and recommended actions for each issue are included on the environmental checklist. Each facility supervisor or his/her representative received a verbal out-briefing following the site visit. Terry Dempsey of ENV conducted the survey with assistance from Kirk Foster.

Survey Findings

The specific issues identified at each facility are listed in Table 1 - Findings Summary and Corrective Actions. Table 1 also lists the recommended corrective actions or standards. The recommended standards are usually a direct reference to the state or federal regulatory requirement. When a federal or state regulatory standard is not referenced, a Best Management Practice (BMP) is recommended. A general summary of the survey findings is listed in the following paragraphs.

Solid and Hazardous Waste Management

District personnel have done a good job of modifying work procedures to reduce or eliminate the routine generation of hazardous waste. Records of routinely generated wastes are maintained at the District headquarters. Shop related wastes, such as automotive fluids, batteries, and tires were generally stored and recycled appropriately.

One area requiring attention are grit traps located in several equipment washings areas where waste is removed and disposed on a routine basis. Regulatory Guidance (RG-389) from the Texas Commission of Environmental Quality (TCEQ) requires that generators of waste from grit traps are responsible for managing and disposal of waste generated from the grit trap sump basin. In order to ensure compliance, it is recommended that the grit waste from several sumps at the District office be sampled prior to disposal. Results would indicate the categorization of the waste generated and ensure proper disposal methods are followed. Data could be used to verify the contents of similar wastes streams at other District facilities based on process knowledge and comparable equipment washing operational processes.

Used Oil and Oil Filter Management

In the past, most sections were changing and collecting used oil/filters on site and managing the disposal and required documentation adequately. Recently, many facilities have begun contracting oil change services and do not continue to collect used oil and filters. However, in locations where oil/filter may still be on site awaiting disposal, there were two areas where the used oil/used oil filter containers were not clearly marked or mislabeled and will require correction.

General Housekeeping

Housekeeping was generally satisfactory throughout the District, with most Sections maintaining very clean and well organized facilities. However, there are several areas where drums containing paint/water mix or residual hydraulic fluids are stored in the yard area and should be properly characterized and disposed. Additionally, two minor spills were discovered as noted in the report detail that will require routine cleanup.

Spill Prevention Control and Counter Measure (SPCC) Plans

SPCC implementation at district facilities has been adequately implemented with all the facilities visited having approved SPCC Plans in place. With the few exceptions noted in the checklists, personnel were generally complying with the monthly inspection requirements. Again, with only the few exceptions noted, most facilities have already completed the recommended corrective actions from the original, approved plan, and have updated the applicable sections of the SPCC plan (e.g. site map, minor and major changes, etc.). It should also be noted that most of the facilities inspected will require the five-year recertification within the next several months and questions regarding tank certification/inspections will likely require input from the Maintenance Division level.

Equipment Washing Wastewater Management

In all cases the district and maintenance facilities have eliminated the untreated discharge to surface waters and storm drains from equipment washing areas. However, in one

instance, the residual washing liquids are stored in an outdoor sump area and occasionally applied to road base materials at construction sites. ENV recommends that this practice not be allowed without completing regulatory permitting requirements and suggests, as an alternative, that the contents be approved for transport to the local Publicly Owned Treatment Works (POTW) facility for disposal.

Outstanding Sections and Commendable Actions:
It is readily apparent that District Headquarters provides excellent support to the area maintenance facilities, particularly in the area of recycling used batteries, scrap tires and general waste management. Also, as a commendable practice it was noted that the Crane facility has instituted an excellent system for maintaining a list of recycled materials that should be put in practice by others. Also, during the Advisory Survey it was noted that the Odessa and Pecos Maintenance Sections were outstanding in complying with environmental requirements including excellent housekeeping, waste management, and required recordkeeping.

Requested District Action
ENV is requesting that District staff review the issues listed in the Findings Summary and Corrective Actions table, and implement corrective actions in accordance with the associated standard described in the table. As a record of the corrective action, ENV also requests that District staff complete the attached "District Response Report" and return these to ENV. ENV has prepared a response form for each facility surveyed that had a noted issue. These forms contain a list of issues specific to each facility surveyed. Please provide the ENV Natural Resource Management Section with the completed response forms. Additionally, the District should retain a copy of the District Response Report listing the corrective action measures taken to address the issues along with supporting information for evaluation during the next Environmental Survey.

ENV has prepared the *Guidance for Environmental Compliance at TxDOT Facilities* to assist with these tasks. This guidance document is available from ENV, or is directly accessible from Crossroads, TxDOT's central Intranet server. ENV personnel are available, at your request, to provide assistance on corrective actions for noted issues, compliance issues such as Notice of Registration updates, hazardous waste disposal and manifesting, and reviewing waste management documentation and record keeping.

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: District HQ					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
Solid Waste Management	Does the district have records showing a hazardous waste determination was performed for all solid waste streams?	**X**	RQD	A facility that generates a solid waste must determine if that waste is hazardous pursuant to 30 TAC §335.504(relating to Hazardous Waste Determination).	30 TAC 335.62/ 40 CFR 262.11 Hazardous Waste Determination and Classification
Solid Waste Management	Comment Section Solid Waste Management:			**Grit-trap waste from wash sump has not been characterized for disposal. Per TCEQ Regulatory Guidance RG-389 TxDOT is responsible for the proper disposal of waste generated at our facilities. Proper disposal of grit-trap waste will require waste characterization using sample analyses.**	
Used Oil Filters	Are used oil filter storage drums marked with the words "Used Oil Filters"?	**X**	BMP	All used oil filter storage drums should be marked with the words "Used Oil Filters"	Guidance Manual - House Keeping - Container Management
Used Oil Filters	Comment Section Used Oil Filters:			**Worn and unclear labels are affixed to used oil drums**	

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: Midland Mtce. Section					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
House Keeping	Are storage containers labeled, covered with secured lids, and in good condition?	**X**	BMP	Instruct facility personnel to protect waste or product containers from rainwater accumulation and accidental spillage (overfilling) by keeping containers covered with proper lids when not in use. Label each tank and storage container with contents.	BMP & Guidance Manual - House Keeping - Container Management
House Keeping	Comment Section House Keeping:			**Five drums of white paint/liquid stored on materials stockpile yard. Appear old and unused . Need to be characterized and disposed.**	
SPCC	Does the facility conduct and document the monthly SPCC inspections as required?	**X**	RQD	Monthly inspections are required as per the facility's SPCC plan. Record the inspections using the checklists in Appendix B of the plan.	40 CFR §112.7(e)(8) - Facility Inspections
SPCC	Comment Section SPCC:			**SPCC monthly inspections have not been consistently performed or documented.**	
PST Management	Are the tanks identified with a physical label / or number?	**X**	RQD	The tanks are to be identified with a legible tag, label, or marking which is permanently applied upon or affixed to either the top of the fill tube or to a non-removable point in the immediate area of the fill tube for each regulated UST at the facility. Label ID should match tank number on TCEQ tank registration.	30 TAC §334.8(c)(5)(A) - Certification for Underground Storage Tanks (USTs) and UST Systems
PST Management	Comment Section PST Management:			**Tanks 3 and 4 are not labeled with tank number in immediate area of fill tube.**	
General Comments	General Comments:				

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: Stanton Mtce. Section					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
House Keeping	Are new oil and grease containers stored using some form of secondary containment (spill pallets or absorbents)?	**X**	BMP	Use drip pans and sorbent pads beneath containers storing oils and lubricants. Spill pallets are also available in a variety of sizes and should be used if available at the District warehouse.	BMP & Guidance Manual - House Keeping - Waste Storage Locations
House Keeping	Comment Section House Keeping:			**Blue drum marked Hydraulic Fluid stored outside on ground near scrap metal. Contents include small amount of residual liquid (several inches deep).**	
SPCC	Does the written plan and site map accurately reflect the operations and physical layout at this facility?	**X**	RQD	The written plan is a primary component of the SPCC regulation. Review the site plan for accuracy and revise as needed when changes in facility layout or operations change.	40 CFR §112.7(e) – Guidelines for Plan Preparation and Implementation
SPCC	Comment Section SPCC:			**Portable diesel fuel tank is stored in yard and not indicated on site map or in SPCC Plan.**	
General Comments	General Comments:				

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: Pecos Mtce. Section/2nd St. area					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
SPCC	Does the written plan and site map accurately reflect the operations and physical layout at this facility?	**X**	RQD	The written plan is a primary component of the SPCC regulation. Review the site plan for accuracy and revise as needed when changes in facility layout or operations change.	40 CFR §112.7(e) – Guidelines for Plan Preparation and Implementation
SPCC	Comment Section SPCC:			**Site Plan still indicates presence of secondary containment around hydraulic oil tank that was recently removed from the area.**	
General Comments	General Comments:				

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: Balmorrhea Mtce. Section					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
House Keeping	Are storage containers labeled, covered with secured lids, and in good condition?	**X**	BMP	Instruct facility personnel to protect waste or product containers from rainwater accumulation and accidental spillage (overfilling) by keeping containers covered with proper lids when not in use. Label each tank and storage container with contents.	BMP & Guidance Manual - House Keeping - Container Management
House Keeping	Comment Section House Keeping:			**Used oil filter drum needs bung to prevent rainwater accumulation.**	
SPCC	Does the written plan and site map accurately reflect the operations and physical layout at this facility?	**X**	RQD	The written plan is a primary component of the SPCC regulation. Review the site plan for accuracy and revise as needed when changes in facility layout or operations change.	40 CFR §112.7(e) – Guidelines for Plan Preparation and Implementation
SPCC	Comment Section SPCC:			**Site map(w/ numerous post-it notes) needs to be updated to reflect current conditions including changes to secondary containment at hydraulic lift and plan needs new calculations for berm upgrade at Asphalt Emulsion Tanks. Changes should be documented in SPCC plan appendices.**	
General Comments	General Comments:				

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: Fort Stockton Mtce. Section					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
SPCC	Does the facility conduct and document the monthly SPCC inspections as required?	**X**	RQD	Monthly inspections are required as per the facility's SPCC plan. Record the inspections using the checklists in Appendix B of the plan.	40 CFR §112.7(e)(8) - Facility Inspections
SPCC	Comment Section SPCC:			**Inspections are conducted, however, personnel have not been documenting results on the "Monthly Tank, Valve, & Pipe Inspection" form (Appx. B-4)**	
General Comments	General Comments:				

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: Crane Mtce. Section					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
Equipment Washing	Are wash racks and floor drains connected to an authorized disposal system?	**X**	BMP	Identify whether it is possible to connect to the local sanitary sewer system; or to an onsite collection and containment system with offsite disposal of the waste or discharge the wastewater in accordance with a TCEQ permit.	Guidance Manual - Vehicle and Equipment Washing -Floor Drains/ Bay Drains/Wash Racks
Equipment Washing	Comment Section Equipment Washing:			**Unanalyzed wastewater from wash rack/floor drain is stored in sump and occasionally applied to road base materials.**	
General Comments	General Comments:				

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: McCamey Mtce. Section					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
Used Oil Filters	Are used oil filter storage drums marked with the words "Used Oil Filters"?	**X**	BMP	All used oil filter storage drums should be marked with the words "Used Oil Filters"	Guidance Manual - House Keeping - Container Management
Used Oil Filters	Comment Section Used Oil Filters:	**Drum is mislabeled as "Absorbents" and "Antifreeze" instead of "Used Oil Filters".**			
General Comments	General Comments:				

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: Iraan					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
House Keeping	Are work areas generally leak and spill free?	**X**	BMP	Keep floors and work areas free of spilled materials by handling materials in such a way that the potential for spills to occur is minimized. Initiate the cleanup of spilled materials or wastes in a timely manner to prevent additional worker safety hazards.	BMP & Guidance Manual - Small Spill Response - Small Spill Cleanup, Housekeeping - Container Management
House Keeping	Comment Section House Keeping:			**Cold seal spill from leaking drum in back corner of yard should be cleaned up.**	
General Comments	General Comments:				

Table 1
Findings Summary and Corrective Actions
Odessa District Advisory Survey – February 2009

Facility: Kermit Mtce. Section					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
House Keeping	Are storage containers labeled, covered with secured lids, and in good condition?	**X**	BMP	Instruct facility personnel to protect waste or product containers from rainwater accumulation and accidental spillage (overfilling) by keeping containers covered with proper lids when not in use. Label each tank and storage container with contents.	BMP & Guidance Manual - House Keeping - Container Management
House Keeping	Are work areas generally leak and spill free?	**X**	BMP	Keep floors and work areas free of spilled materials by handling materials in such a way that the potential for spills to occur is minimized. Initiate the cleanup of spilled materials or wastes in a timely manner to prevent additional worker safety hazards.	BMP & Guidance Manual - Small Spill Response - Small Spill Cleanup, Housekeeping - Container Management
House Keeping	Comment Section House Keeping:			**1) Container of old "crack seal" with worn and almost illegible labeling stored in back of yard. 2) Observed asphalt/terpene spill from solid waste dumpster.**	
SPCC	Are tank pump starter controls locked in the "Off" position when not in use or located in a site accessible to only to authorized personnel?	**X**	RQD	The starter control on all oil pumps must be locked in the "Off" position or located in a site accessible only to authorized personnel when the pumps are in the non-operating or stand-by status.	40 CFR §112.7(e)(9)(iii) - Security
SPCC	Comment Section SPCC:			**One valve on asphalt tank not locked in accordance with SPCC Plan.**	
General Comments	General Comments:				

District Response Report
Odessa District Advisory Survey – February 2009

Facility: Andrews Mtce. Section					
Category	**Area Reviewed**	**No**	**Action**	**Standard**	**Reference**
SPCC	Does the facility conduct and document the monthly SPCC inspections as required?	**X**	RQD	Monthly inspections are required as per the facility's SPCC plan. Record the inspections using the checklists in Appendix B of the plan.	40 CFR §112.7(e)(8) - Facility Inspections
SPCC	Comment Section SPCC:			**Tank numbers on inspection forms do not match the site diagram.**	
General Comments	General Comments:				

Attachment E

D/D/O	DeptID	EmplID	Name	Course Code	Course Name	Completion DT
06	060002	00000005992	Crain,James L	ENV103	Storm Water Pollu Prevent Plan	9/12/2016
06	060002	00000006022	Hinojos,Jovenal S	ENV103	Storm Water Pollu Prevent Plan	9/12/2016
06	060002	00000005482	Joseph,Coury J	ENV103	Storm Water Pollu Prevent Plan	9/12/2016
06	060050	00000143331	Benavidez,Sawyer Alan	ENV103	Storm Water Pollu Prevent Plan	9/13/2016
06	060050	00000139279	Cano,Zachary C	ENV103	Storm Water Pollu Prevent Plan	9/13/2016
06	060050	00000142768	Chavarria,Jennifer	ENV103	Storm Water Pollu Prevent Plan	9/13/2016
06	060050	00000005912	Hartwig,William L	ENV103	Storm Water Pollu Prevent Plan	9/13/2016
06	060050	00000130271	Hinojos,Sammy	ENV103	Storm Water Pollu Prevent Plan	9/12/2016
06	060053	00000144312	Erwin,Troy	ENV103	Storm Water Pollu Prevent Plan	9/12/2016
06	060070	00000144658	Nichols,Doug	ENV103	Storm Water Pollu Prevent Plan	9/13/2016
06	060075	00000144895	Argueta Funes,Ana	ENV103	Storm Water Pollu Prevent Plan	9/13/2016
06	060075	00000144729	Tarrosa,Thanya	ENV103	Storm Water Pollu Prevent Plan	9/12/2016
06	60004	6006	Carrasco,Benny P	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	60050	143331	Benavidez,Sawyer Alan	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	60050	139279	Cano,Zachary C	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	60050	142768	Chavarria,Jennifer	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	60050	5912	Hartwig,William L	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	60053	144312	Erwin,Troy	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	60070	144658	Nichols,Doug	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	60075	144895	Argueta Funes,Ana	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	60075	144729	Tarrosa,Thanya	ENV300	Stormwater Eros & Sedimn Day 1	9/14/2016
06	060004	00000006006	Carrasco,Benny P	ENV301	Stormwater Erosion & Sediment C	9/15/2016
06	060050	00000143331	Benavidez,Sawyer Alan	ENV301	Stormwater Erosion & Sediment C	9/15/2016
06	060050	00000139279	Cano,Zachary C	ENV301	Stormwater Erosion & Sediment C	9/15/2016
06	060050	00000142768	Chavarria,Jennifer	ENV301	Stormwater Erosion & Sediment C	9/15/2016
06	060050	00000005912	Hartwig,William L	ENV301	Stormwater Erosion & Sediment C	9/15/2016
06	060053	00000144312	Erwin,Troy	ENV301	Stormwater Erosion & Sediment C	9/15/2016
06	060070	00000144658	Nichols,Doug	ENV301	Stormwater Erosion & Sediment C	9/15/2016
06	060075	00000144895	Argueta Funes,Ana	ENV301	Stormwater Erosion & Sediment C	9/15/2016
06	060075	00000144729	Tarrosa,Thanya	ENV301	Stormwater Erosion & Sediment C	9/15/2016

Paris District

MS4 Annual Report for Phase II Permit
Timeline – August 13, 2016 to November 30, 2016

The BMPs listed below are the only BMPs with ongoing implementation from the now expired Phase II permit. All other BMPs have been 100% implemented, as documented in the last annual report.

MCM	BMP	Activity	Records
1	Flyer and Brochures (Visitors, Public Service Employees, Construction Site Personnel)	Inventory of public education materials were distributed during the previous 5 year period.	None distributed during this time frame.
1	Education of Construction Site Personnel (Construction Site personnel , Public Service Employees)	Attend Pre-construction meetings for projects in or serve the MS4 area and provide water quality materials.	No preconstruction meetings during this time frame.
2	Adopt-A-Highway Program	Solid Waste removal from the MS4 area by the Adopt-A-Highway Program	Approximately 350 bags of trash were collected during this time frame.
4	Compliance with CGP	Implement the plan to ensure TxDOT will comply with, and require its contractors to comply with the CGP.	Three projects were under construction in the MS4 area during this time frame. All required CSNs and NOIs. All projects were inspected for compliance with use and maintenance of BMPs.
6	Disposal of Waste	Ensure proper disposal of litter and debris removed from roadways by litter collection and/or street sweeping. Ensure proper waste disposal of spoil materials removed during the maintenance of drainage ditched and structural controls.	Approximately 68,000 cubic feet of litter was removed from the MS4 area during this fiscal year.

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: Noel Paramanantham P.E.* Title: District Engineer – TxDOT Paris District

Signature:  Date: January 4, 2018

*Must be signed by a "principal executive officer…having responsibility for the overall operations of a principal geographic unit of the agency" as described in 30 TAC §305.44 (Signatory to Applications) and referenced in 30 TAC §305.128 (Signatory to Reports). This requirement is met by the District Engineer.

Pharr District



MS4 REPORT- PHASE II

Reporting Period: August 13, 2016 – November 30, 2016

PHARR DISTRICT

BMP AND MEASUREABLE GOAL STATUS – August 13, 2016 – November 30, 2016

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1a - Public Education and Outreach on Storm Water Impacts	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area.	Estimated quantities and description of material distributed or posted, and date of public meetings where materials were distributed or copies of sign in sheet where materials were distributed.	Attended **3** public meetings in which **69** people attended. Copies of educational materials regarding the prevention of storm water such as stickers, rain gauges, stormwater pamphlets and erosion BMP posters, were distributed to attendees at each meeting.	**Completed this year** **08/2016 to 10/2016**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1b - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide water quality materials.	Record date and project where posters were distributed.	Attended **2 pre-construction meetings** for projects that are in or serve the MS 4 Phase II area. **Numerous water quality** education materials, **rain gauges, and erosion BMP posters,** were distributed to attendees at each meeting; Total attendees are **43** for both meeting. General and project specific SW3P and MS4 topics were also discussed at these meetings.	**Completed this year** **08/2016 to 10/2016**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, cubic yards of materials removed.	Approximately **953 55-gallon trash bags** were collected **1,124 volunteers** representing **63 groups**.	**Completed this year** **08/2016 to 10/2016**	**Met Goal**	**N**
MCM 3 - Illicit Discharge Detection and Elimination	Develop and Implement Plant to Update Outfall Location (Storm Sewer Outfall Inventory Map)	Identify and map on a schedule such that every outfall is mapped by the end of the 5-year implementation period.	Provide a list or printed map of outfalls inventoried and an estimate of the remaining MS4 that needs to be mapped.	All **486 outfalls** located within TxDOT Pharr District have been mapped or verified.	**All outfalls have been mapped completely**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 3 - Illicit Discharge Detection and Elimination	Develop and Implement Plant to Update Outfall Location (Storm Sewer Outfall Inventory Map)	Update the map to include new and relocated outfalls.	Provide records to document updated map.	Verification of outfall locations and new and relocated outfalls were completed in Year 5.	**Completed**	**Met Goal**	**N**
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen all of the outfalls in the most current map available. Alternatively, establish a screening schedule so that all outfalls will be screened by the end of the 5-year implementation period.	Provide a list of outfalls for which dry weather screening was performed. Summarize and report all follow-up actions resulting from screening.	All outfalls were visually screened.	**Completed**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	Implement the plan to ensure TxDOT will comply with, and require its contractors to comply with the CGP.	Record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4. Record the activities taken to ensure compliance according to the plan.	**There are no CGP NOIs** and **CSNs** submitted projects within the boundaries of the MS4. SW3P Inspection Reports list the activities taken to ensure compliance according to the plan and are in the construction project file.	**Completed this year** **08/2016 to 10/2016**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 4 - Construction Site Storm Water Runoff Control	Identify and eliminate discharges from construction sites outside of ROW with inadequate controls.	Identify discharges to the MS4 from projects outside the ROW that may have inadequate SWP3 measures or controls. .	Record and describe evidence of construction site runoff with inadequate controls. Record corrective measures taken.	No discharges to the MS4 from projects outside the ROW were identified that had inadequate SWP3 measures or controls.	**Completed this year.** **08/2016 to 10/2016**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Inspections and Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	Survey the entire MS4 Phase II area at least once during the permit term to identify needed maintenance, establish a maintenance schedule, and perform needed maintenance.	Record the maintenance activities and the percentage of the Phase II area that was surveyed.	Completed in Year 1. Maintenance supervisors continue to routinely check roadways and ROW within their respective jurisdiction and plan/provide needed maintenance to permanent control measures.	**Completed in Year 1.**	**Exceeded Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	SW3P/Post Construction Plan Review: Determine the need for storm water structural controls in areas of new development and redevelopment	Identify stormwater runoff issues during planning, design, and project development process for new development and re-development of transportation facilities. Incorporate stormwater controls to address hydraulic and water quality issues.	Document stormwater issues addressed during the planning, design, and project development process and the resultant controls that were implemented.	TxDOT reviewed **8 SW3P Plans** for projects being developed within the MS4 area to ensure that BMPs were included and appropriate to address SW runoff. Typical BMPs included silt fences, erosion control log, etc. These are documented on construction plans in the Environmental Permits, Issues and Commitments (EPIC) and SW3P sheets.	**Completed this year** **08/2016 to 10/2016**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit. SPCC training of employee.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).	All District Off-Site Facilities **(12)** were inspected monthly as part of the Occupational Safety Inspections (OCC) done every three years. In addition we conducted a monthly Spill Prevention Control and Contamination (SPCC) Inspections at all Off –Site facilities (12) as part of our SPCC Plan.	**Completed**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	TxDOT employees will attend at least one of the following training classes per permit term. • Hazard Communications (SFH 420) • HazCom/Environmental Refresher (SFH 421) • Herbicide Certification (MNT 410) • Herbicide Equipment Training (MNT 411) • Storm Erosion and Sediment Control (ENV 300-301) • SW3P(ENV103)	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively provide a list of the title and date of courses offered.	Training classes provided, and number of attendees for this year included: • Hazard Communications (SFH420) - **1**; • HazCom/ Environmental Refresher (SFH421)- **6**; • Updated/ Renewed Herbicide Certification (MNT410)- **38**; • Updated/Renewed Herbicide Equipment Training (MNT411)– **38**; • HazMat Awareness (SFH430/EL430) - **3**.	**In Progress (Continuous every year)** **08/2016 to 10/2016**	**Met Goal**	**N**

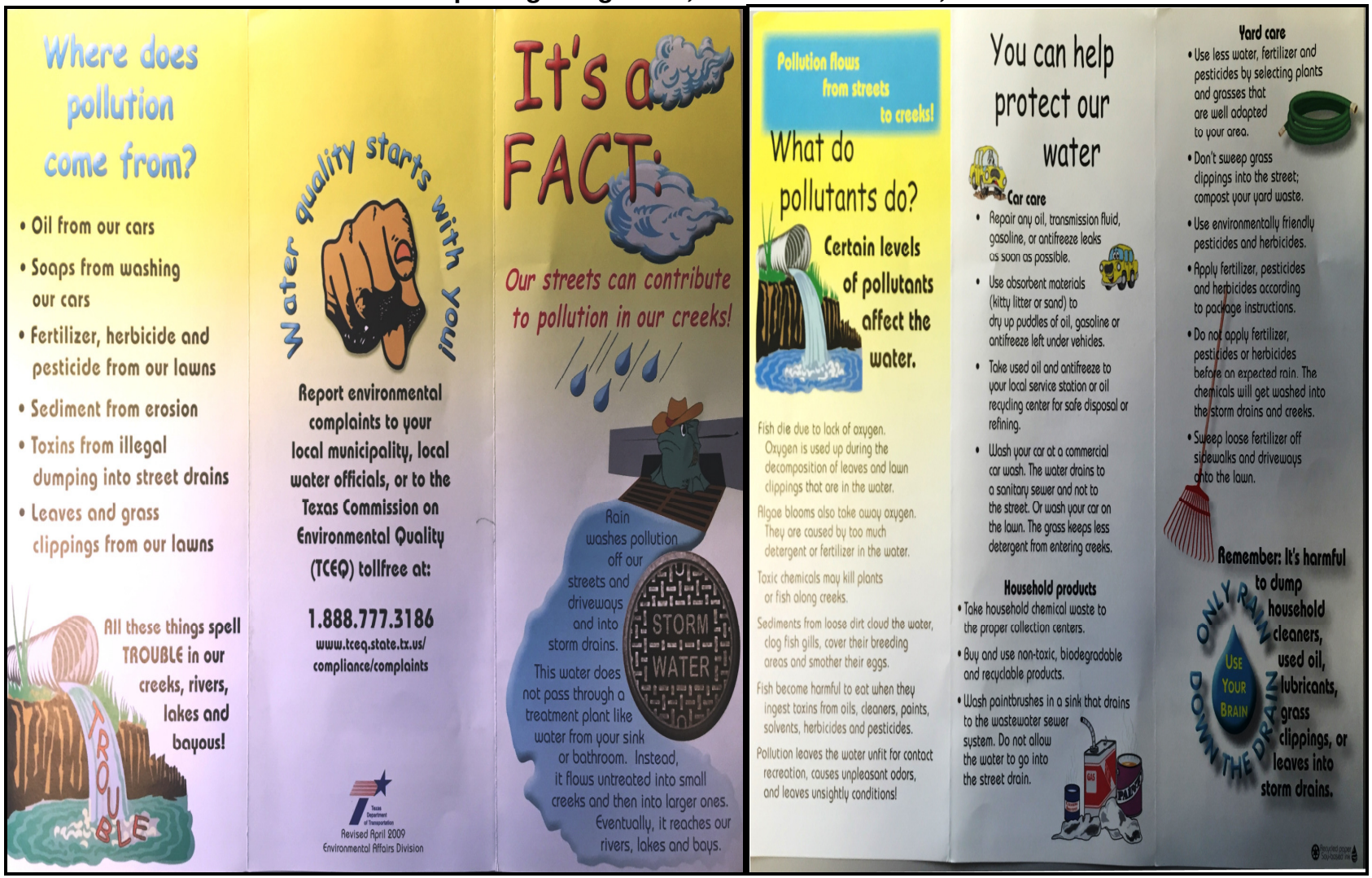
MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand storage areas.	Inspect structural controls at least once per year. Determine the need for maintenance, repair, or replacement and schedule follow-up actions as is necessary.	Record date, structural controls inspected, condition of each control, result of any follow-up activities including the date of those actions.	The District inspected **100%** of the structural controls within the MS4 Phase II area as part of the OCC and SPCC Inspections. During inspection the structural controls were evaluated for needed maintenance, repair or replacement. Follow up actions were scheduled or completed.	**Completed this year** **08/2016 to 10/2016**	**Met Goal**	**N**

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success: Exceeded Goal, -Met Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Ensure proper disposal of litter and debris removed from roadways by litter collection and/or street sweeping. Ensure proper disposal of spoil materials removed during maintenance of drainage ditches and structural controls.	Record volumes and nature of disposed waste.	Completed the following: **5,079 acres** of litter pick up & disposal at Hidalgo, Starr and Cameron Counties. **3,258 miles** of street sweeping. **2,195 miles of** trash/debris collected (includes ditch debris removal, trash bins, recycle) **1,736** acres of trash/debris collected (includes ditch debris removal, trash bins, recycle)	**Completed this year** **08/2016 to 10/2016**	**Met Goal**	**N**

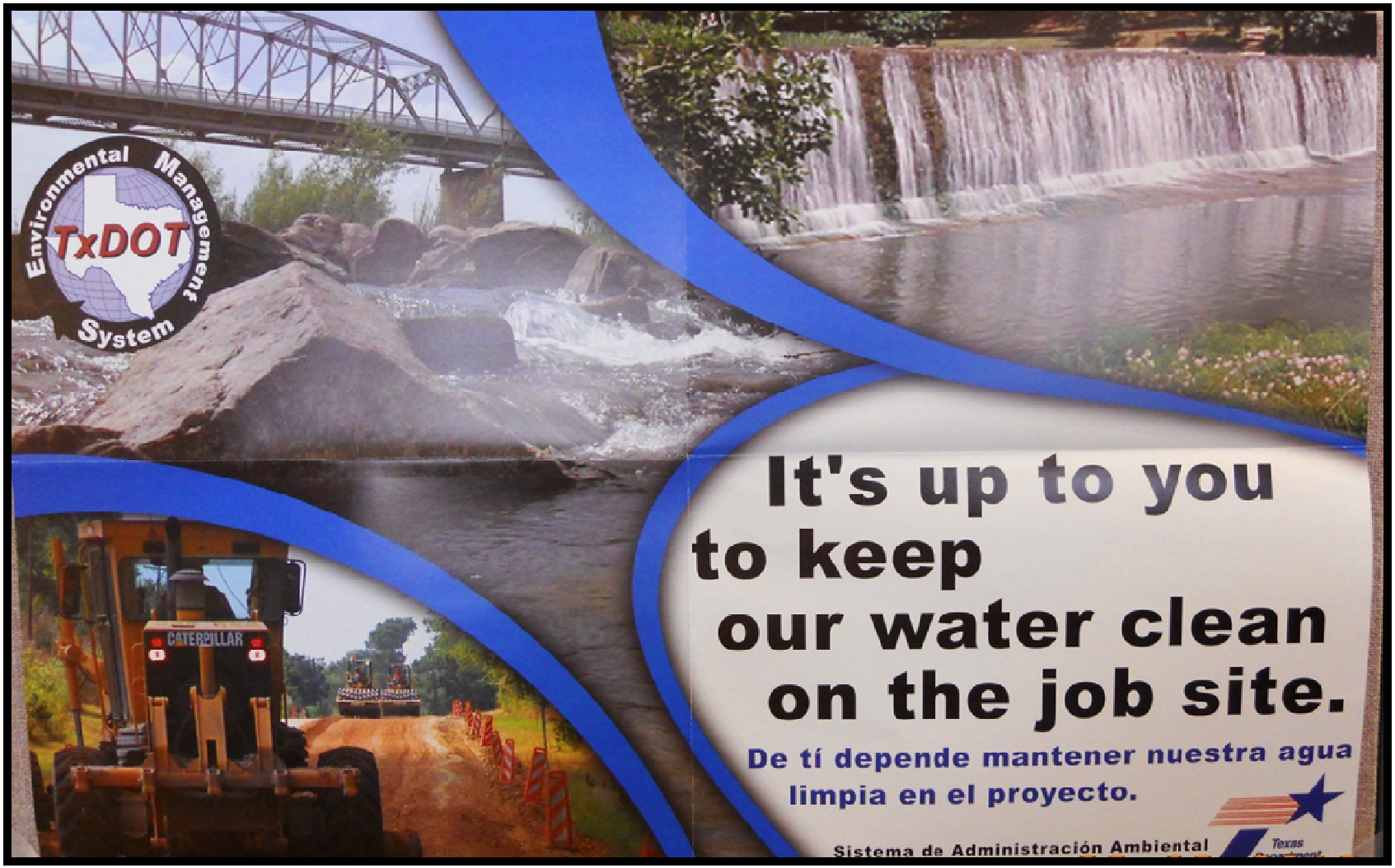
MCM-1 BMP 1a: Public Education and Outreach on Storm Water Impacts
MS4 Reporting - August 13, 2015 to August 12, 2016

Project Public Meeting	County	Date	Number of person that Attended	Public Education Material handed-out
FM 676	Hidalgo	10/4/2016	27	Fish door hangers, temporary tattoos, stormwater facts pamphlets, Take Care of Texas stickers and coloring books
SH 495	Cameron	10/27/2016	28	Fish door hangers, temporary tattoos, stormwater facts pamphlets, Take Care of Texas stickers and coloring books
I-69E	Cameron	11/15/2016	14	Fish door hangers, temporary tattoos, stormwater facts pamphlets, Take Care of Texas stickers and coloring books
TOTAL			69	

MCM-1 BMP 1c: Education Material
MS4 Reporting - August 13, 2016 - November 30, 2016



Pamphlet: It's a Fact –Stormwater information.



Poster: Environmental Management System (EMS) – Keep our water clean on the job site.



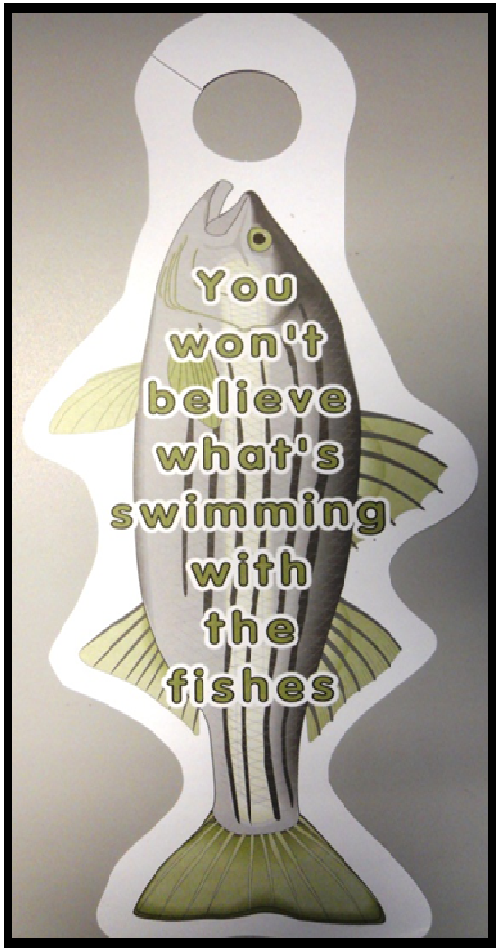
Rain Gauge



Temporary tattoo: Only Rain Down the Drain



Take Care of Texas Sticker



Door Knob Hanger

Basic Principles of Erosion and Sediment Control and Other Source Controls

Principios Basicos de Control de Erosion y Sedimentos y Control de Otras Fuentes

The following basic principles of erosion and sedimentation control derive from two basic objectives. First, protection of soils from the erosive forces of rain, wind and runoff; and secondly, the on-site capture of eroded soils and sediments.

Los siguientes principios básicos de control de erosión y sedimentación se derivan de dos objetivos básicos. Primero, la protección de los suelos de las fuerzas erosivas de la lluvia, el viento y el escurrimiento; y segundo, la recuperación en el sitio de los suelos erosionados y los sedimentos.

1. Review site conditions prior to development.

1. Revisar las condiciones del sitio antes de su desarrollo

Consider all existing conditions at the site, including soils, topography, drainage patterns and existing vegetation. Modifications to site topography, cover and drainage patterns will change the site hydrology and runoff. Such modification will require well-engineered erosion and sediment controls during and after construction.

Considerar todas las condiciones existentes en el sitio incluyendo suelos, topografía, patrones de drenaje y vegetación existente. Las modificaciones a la topografía del sitio, cobertura y patrones de drenaje cambiarán la hidrología del sitio y el escurrimiento. Este modificación requerirá controles de erosión y escurrimiento de ajustes ingeniería durantes y después de la construcción.

2. Divert upslope runoff.

2. Desviar el escurrimiento de la vertiente arriba.

Overland flow from upslope areas should be diverted around disturbed areas to minimize the amount of erosion generating runoff from the disturbed area.

El flujo sobre la superficie de áreas de vertiente arriba debe ser desviado alrededor de las áreas excavadas para reducir la cantidad de erosión generada por el escurrimiento del área excavada.

3. Minimize the extent of disturbed areas.

3. Reducir la extension de las áreas excavadas.

The disturbed areas' size and the duration of disturbance should be minimized to the extent practicable, to minimize the amount of sediment leaving the site. Natural cover should be retained to the maximum extent feasible. Protective measures for significant trees and stands that have been chosen to be retained, should be included in the construction site plan.

El tamaño de las áreas excavadas y la duración de su alteración debe ser reducido lo más posible para reducir la cantidad de sedimento que sale del sitio. La cubierta natural debe ser conservada al máximo posible. Las medidas protectoras para árboles y bosques importantes que han sido seleccionados para su retención, deberán de ser incluidas en los planes de construcción.

4. Schedule clearing and grading to minimize exposure.

4. Programar el talado y la nivelación para reducir su exposición.

Where practicable, construction activities should be sequenced to minimize the amount of area disturbed at one time. Plan the development stages so that only the areas which are actively being developed are exposed. All other areas should be protected with temporary or permanent vegetation or mulching. Grading should be completed as soon as possible after it is initiated. Seasonal variations in climate should be considered where practicable.

Hasta donde sea factible, las actividades de construcción deberán ser programadas para minimizar el tamaño de áreas expuestas a la vez. Planear las etapas de desarrollo para que solamente las áreas que están siendo desarrolladas estén expuestas. Todas las demás áreas deberán de ser protegidas con vegetación o mantillo temporal o permanente. La nivelación debe ser culminada tan pronto como sea posible después de haber sido iniciada. Las variaciones estacionales del clima deberán de ser considerados hasta donde sea factible

5. Stabilize disturbed areas.

5. Estabilizar las áreas excavadas.

Temporary or permanent stabilization of exposed soils should be provided as soon as practicable but no more than 14 days after the construction activity has ceased. Stabilization practices may include temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures.

Se deberá estabilizar los suelos expuestos inmediatamente de la terminación de cualquier parte de la obra.



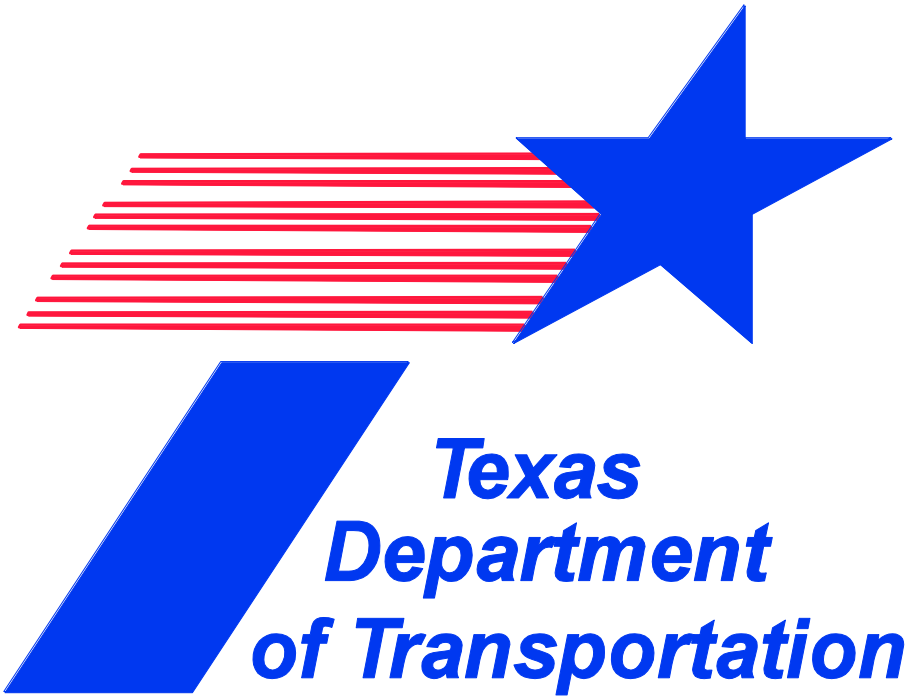
Coloring Book: TEX and DOT Water Quality Book

MCM-1 BMP 2: Educations of Construction Personnel
Pre-Constructions Meetings
MS4 Reporting - August 13, 2016 – November 30, 2016

TxDOT - Pharr District						
CSJ No.	**HWY**	**Pre-Construction Meeting Date**	**No. of Attendees**	**Notice of Intent**	**CSN**	**Public Education Material handed-out**
0921-02-347	Illumination Improvement. (Various Locations)	October 19, 2016	27	N/A	N/A	**A.** Basic Principle of Erosion and Sediment Control Posters **B.** Rain Gauges **C.** Environmental Management System (EMS) Keep our water clean on the job site posters
0327-10-058	IH 68E	11/9/2016	16	N/A	N/A	
TOTAL		**2**	**43**	**N/A**	**N/A**	

San Angelo District

Texas Department of Transportation



Texas Department of Transportation – San Angelo District

08-13-2016 to 11-30-2016 Reporting Period
TPDES Phase II MS4 General Permit No. TXR040195

Administratively Continued Reporting Period:
August 13, 2016 – November 30, 2016

Report Prepared By: Richard Holder, P.E.

Permit No.: TXR040195 / TxDOT San Angelo District

Phase II (Small) MS4 Report Form
TPDES General Permit No. TXR040000

A. General Information

1. Permit No. TXR040195 Report Period: August 13, 2016 – November 30, 2016

   Name of MS4 / Permittee: Texas Department of Transportation – San Angelo District

   Contact Name: Richard Holder P.E. Telephone Number: 325-947-9262

   Mailing Address: 4502 Knickerbocker Road, San Angelo, TX 76904

   E-mail Address: Richard.Holder@txdot.gov

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes ____X___ No

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

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

   Name and Explanation: _____

   _____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X_____ No

   a. If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

b. Is this a system-wide report including information for all permittees? _____ Yes ____X___ No

Explanation, if any _____

_____

_____

4. Has a copy of this report been submitted to the TCEQ Regional Office? ___X____ Yes _____ No

B. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. Changes have been made or are proposed to the SWMP since the NOI or the last Report, including changes in response to TCEQ's review. _____ Yes ____X___ No

The principal executive officer for the San Angelo District is Mark E. Jones, P.E. who is the current District Engineer.

For MCM 4, the following has been added: As a TxDOT policy at each permitted TxDOT construction site, an appropriate Construction General Permit (CGP) Construction Site Notice (CSN) and, when necessary, a Notice of Intent (NOI) are posted.

b. If Yes to the above, has the TCEQ already approved the original SWMP? ____X___ Yes _____ No

c. If yes to the above, indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) _____ Yes ____X___ No

Neither an NOC nor letter is required for documentation.

2. The MS4 has annexed lands since obtaining permit coverage. _____ Yes ____X___ No

3. A receiving water body is newly listed as impaired or a TMDL has been established. _____ Yes ___X____ No

4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes _____X__ No

Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

C. Narrative Provisions.

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	**X**		As described in Table 2 in Part D, we (San Angelo District) are in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	**X**		This report brings us current with the reporting requirements. Supporting records can be inspected at the address indicated on the NOI.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	**X**		We meet the eligibility requirements described in Part II.C., including those requirements pertaining to TMDLs, Edwards Aquifer, and compliance history.

2. Provide a general assessment of the appropriateness of the selected BMPs:

   Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? _____ Yes ____X___ No

   Provide explanation:
   _____N/A_____

   _____

_____

_____

_____

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

TxDOT, San Angelo District progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) can be quantified in terms of BMP implementation and progress towards meeting our measurable goals. This is consistent with 40 CFR §122.34, which states "Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the maximum extent practicable.'' Even though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that said litter will pollute storm water. Although not quantified, this results in a reduction of pollutants in storm water runoff.

The progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) for the district can be measured by implementing the following BMPs:

MCM-1, BMP: Visitors and Public Service Employees

The selected BMP was evaluated and determined to be an appropriate BMP for Public Education and Outreach on Stormwater Impacts. TxDOT currently runs the award-winning "Don't Mess with Texas" Campaign. This campaign educates Texas citizens on litter and the cost of cleaning it up. Visitors and public service employees easily access, at the TxDOT website, multiple materials providing education on the effect of pollution in stormwater and assistance for improving the quality of stormwater by reducing the discharge of pollutants into the stormwater runoff. Pertinent links for the TxDOT website are: http://www.txdot.gov/inside-txdot/division/environmental/stormwater.html and http://www.txdot.gov/inside-txdot/forms-publications/publications/for-kids.html .

MCM-1, BMP: Education of Construction Site Personnel

The selected BMP was evaluated and determined to be an appropriate BMP for Public Education and Outreach on Storm Water Impacts. Construction site personnel are directly involved in construction activities within the TxDOT right of way and can have a

potential to directly influence the quality of storm water runoff discharged from the Phase II MS4. Providing educational materials on the effect of pollution in storm water runoff assisted in reducing the discharge of pollutants to the MEP. During 08-13-2016 to 11-30-2016 reporting period, there was one (1) pre-construction meeting for a large project requiring a CGP NOI within the San Angelo Phase II MS4. SW3P and MS4 topics were covered and website provided http://www.txdot.gov/inside-txdot/division/environmental/stormwater.html. (SW3P and MS4 topics are always discussed in pre-construction meetings whether or not the construction is within the Phase II MS4 area and/or a large project CGP NOI is required.)

MCM-2, BMP: Adopt-A-Highway Program

The selected BMP was evaluated and determined to be an appropriate BMP for Public Involvement and Participation. Removing floatables and other solid waste materials from the right of way and, if requested, providing educational materials on the effect of pollution in storm water runoff to volunteers have reduced the discharge of pollutants to the MEP. There were 6 miles of the highway adopted in the Phase II MS4 area. No litter was collected during the 08-13-2016 to 11-30-2016 reporting period. The 3 Adopt-A-Highway groups with roadway sections in the Phase II MS4 area were contacted and offered storm water educational materials. None of these groups requested information.

MCM-3, BMP: Develop Storm Sewer Outfall Inventory Map

The selected BMP was evaluated and determined to be an appropriate BMP for Illicit Discharge and Elimination. Mapping storm sewer outfalls will assist in inspecting the outfalls and reducing the discharge of pollutants to the MEP. The mapping was done on a schedule such that the outfalls within the Phase II MS4 area were mapped by the end of the five (5) year permit implementation period. The mapping was done with a GPS/GIS mapping system that was developed by TxDOT and was available for use starting in permit year 3. To assist in developing the map, the as-built plans for existing roadways were reviewed to determine where ditches and culverts that could be outfalls from TxDOT's MS4 system were originally constructed. During permit year 4, the District completed the review of the as-built plans for the Phase II MS4 area. No changes have occurred during the 08-13-2016 to 11-30-2016 reporting period.

MCM-3, BMP: Update Outfall Locations

The selected BMP was evaluated and determined to be an appropriate BMP for Illicit Discharge and Elimination. Surveys of the roadways in the Phase II MS4 area were done to verify the locations of outfalls on the plans and identify new or relocated outfalls. The storm sewer outfall map was updated as needed based on the surveys. Updating the map was done on a schedule such that the outfalls within the Phase II MS4 permit area were mapped by the end of the five (5) year implementation period. No known changes have occurred during the 08-13-2016 to 11-30-2016 reporting period. The mapping was done with a GPS/GIS mapping

system that was developed by TxDOT and was available for use starting in permit year 3. In permit year 4, the District completed the surveys and mapping of the roadways within the Phase II MS4 area. All (234) outfalls located during the survey were mapped including 20 outfalls that were not identified from the as-built plans.

MCM-3. BMP: Implement MS4 Outfall Screening (Dry Weather Screening)

The selected BMP was evaluated and determined to be an appropriate BMP for Illicit Discharge and Elimination. Regulated outfalls were screened for dry weather flow and potential illicit discharges. This assisted the District in reducing the discharge of pollutants to the MEP. The screening was done on a schedule such that the outfalls within the Phase II MS4 area were screened by the end of the five (5) year implementation period. The same outfalls were screened using a GPS/GIS mapping system that was developed by TxDOT and was available for use starting in permit year 3. In permit year 4, the District completed the survey of the roadways within the Phase II MS4 area. No illicit discharges were identified.

MCM-4, BMP: Compliance with the CGP on TxDOT Projects

The selected BMP was determined to be an appropriate BMP for controlling Construction Site Storm Water Runoff. This practice ensures compliance with the TPDES construction general permit and has assisted the district in reducing the discharge of pollutants to the MEP. As a TxDOT policy at each permitted TxDOT construction site, an appropriate Construction General Permit (CGP) Construction Site Notice (CSN) and, when necessary, a Notice of Intent (NOI) is posted. In 08-13-2016 to 11-30-2016 reporting period, one (1) CGP NOI for large project, CSJ 0077-06-098, and zero (0) CSN for small projects was required to authorize TxDOT construction of a project within the boundaries of the Phase II MS4 and within the TxDOT ROW.

MCM-4, BMP: Identify and report discharges from construction sites outside of TxDOT ROW

The selected BMP was evaluated and determined to be an appropriate BMP for controlling Construction Site Storm Water Runoff. This assisted TxDOT to limit the discharge of pollutants to the regulated MS4 from construction activities outside of the TxDOT right of way and jurisdiction. In 08-13-2016 to 11-30-2016 reporting period TxDOT received (0) NOIs or Construction Site Notices within the boundaries of the Phase II MS4 and outside the TxDOT ROW.

MCM-5, BMP: Identification and Selection of Structural Control Measures

The selected BMP was evaluated and determined to be an appropriate BMP for Post-Construction Storm Water Management in New Development and Redevelopment. This ensures that appropriate storm water control measures are included in construction plans to address storm water runoff and will assist the district in reducing the discharge of pollutants to the MEP. In 08-13-2016 to

11-30-2016 reporting period, TxDOT identified one (1) project within the Phase II MS4 area, and inside of the TxDOT ROW, that was appropriate for storm water control measures. The project's construction plans included sediment control fences at appropriate locations and rock filter dams and erosion control logs at drainage inlets. This project is Upgrade US 67 from SL 306 to FM 2288 - CSJ 0077-06-098.

MCM-5, BMP: Maintenance of Permanent Control Measures

The selected BMP was evaluated and determined to be an appropriate BMP for Post-Construction Storm Water Management in New Development and Redevelopment. The inspection and maintenance of permanent control measures to ensure that control measures remain in good condition and continue to control storm water runoff reduce the discharge of pollutants to the MEP. There are approximately 55 miles of TxDOT roadway in the Phase II MS4 area. In permit year 4, the survey of permanent control measures in the Phase II MS4 area was completed. During 08-13-2016 to 11-30-2016 reporting period, scheduled street sweeping was completed 4 times, hand sweeping was completed 1 time, litter pick up was completed 3 times, and scheduled mowing was completed 2 times per permit year.

MCM-6, BMP: Facility Inspections

The selected BMP was evaluated and determined to be an appropriate BMP for Pollution Prevention and Good Housekeeping for Municipal Practices. This ensured that inspections were completed on district facilities in the Phase II MS4 at least once per permit term. This BMP assisted the district in reducing the discharge of pollutants to the MEP. ENV PPA conducted facilities inspection of the San Angelo District Complex and facilities inspection of the San Angelo Maintenance Facility in September 2009 of permit year 3 and thus met this requirement. No ENV PPA facility inspections were done in 08-13-2016 to 11-30-2016 reporting period.

MCM-6, BMP: Employee Training

The selected BMP was evaluated and determined to be an appropriate BMP for Pollution Prevention and Good Housekeeping for Municipal Practices. This BMP will assist the District in reducing the discharge of pollutants to the MEP. This BMP ensures that district employees attend at least one training class per permit year to receive information on environmental issues and encourages the control of pollutants that may result from district operations. There were approximately 4 TxDOT employee participants, working in the Phase II MS4 area that attended 2 courses during the 08-13-2016 to 11-30-2016 reporting period. The following training courses were offered to employees in the Phase II MS4 Permit area during 08-13-2016 to 11-30-2016 reporting period: ENV103-Storm Water Pollution Prevent Plan and ENV433-Storm Water Environmental Requirements During Construction.

MCM-6, BMP: Disposal of Waste

The selected BMP was evaluated and determined to be an appropriate BMP for Pollution Prevention and Good Housekeeping for Municipal Practices. This ensures removal and proper disposal of solid wastes from roadways. This BMP will assist the district in reducing the discharge of pollutants to the MEP. In 08-13-2016 to 11-30-2016 reporting period, the District removed 319 cubic yards of litter and debris from the roadways and drainages by street and hand sweeping and 189 cubic yards of litter from the right of way by litter pick up. All litter was disposed of properly.

MCM-6, BMP: Inspection of Structural Controls for Sand and Ice Rock Storage Areas

The selected BMP was evaluated and determined to be an appropriate BMP for Pollution Prevention and Good Housekeeping for Municipal Practices. At least once per year, the district will inspect the structural controls for sand or ice rock used to de-ice roadways if it is stored in the Phase II MS4 area. During inspections, the structural controls will be evaluated for any needed maintenance, repair, or replacement. This will assist the district in reducing the discharge of pollutants to the MEP. During 08-13-2016 to 11-30-2016 reporting period, sand, salt / ice rock, and brine were stored in the Phase II MS4 area. The inspection of structural controls was performed on 11-09-2016 and no follow up actions were required.

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

   The SWMP implementation program met or exceeded the permit year five goals. The program was implemented successfully.

   It remained on schedule and was continued/completed by the end of the 08-13-2016 to 11-30-2016 reporting period.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated via notices of intent or site notices:

   TxDOT received (0) NOIs or Construction Site Notices during the 08-13-2016 to 11-30-2016 reporting period.

6. Does the permittee utilize the 7th MCM related to construction? _____ Yes ____X___ No

   If Yes, then provide the following information:

   a. The number of municipal construction activities authorized under this general permit: _____N/A__ _____

   b. The total number of acres disturbed for municipal construction projects: _____N/A__ _____

Though the 7th MCM is optional, this must be requested on the NOI or on a NOC and approved by the TCEQ.

7. Requirements for Specific Minimum Controls Measures (MCMs):

   a. For MCM 1 - Public Education and Outreach, multiple materials are continually provided for visitors and public service employees easy accessed at TxDOT websites. These websites fulfill the requirements of this MCM. Pertinent links for the TxDOT websites are: http://www.txdot.gov/inside-txdot/division/environmental/stormwater.html and http://www.txdot.gov/inside-txdot/forms-publications/publications/for-kids.html .

   b. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

      Not applicable; we utilize the list in the permit.

8. Describe any proposed changes to the SWMP in the coming reporting year.

   No changes are proposed.

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

   This is the report for the 08-13-2016 to 11-30-2016 reporting period. Next planned activities are not applicable under this permit. Next planned activities are applicable to Permit WQ0005011000 issued and effective 11-30-2016. Activities from 12-01-2016 to 08-31-2017 will be in compliance with that permit and it's Storm Water Management Program (SWMP).

Table 1— NEXT YEAR Planned Activities

Continued public and employee education, cleaning of current levels of roadway surface, inspection of construction sites and education of construction personnel, scheduled monitoring of outfalls – based on the Permit WQ0005011000 requirements and it's SWMP for 2016-2017.

D. Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)*

Please note: Since each of our BMPs have measurable goals, TxDOT combined Tables 1 and 2 in the original template in order to minimize redundancy.

Table 2 – 08-13-2016 to 11-30-2016 reporting period BMP and Measurable Goals Status

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Year Milestones/ Accomplishment	Status -Completed, - Not started, - In progress Indicate start & completion dates, as appropriate, using mm/yyyy	Success -Met Goal, -Exceeded Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1 - Public Education and Outreach on Storm Water Impacts	Flyers and/or Brochures (Target Audience: Visitors)	Distribute flyers and brochures during one public event that is in or that serves the MS4 Phase II area.	Date and type of public event where materials were distributed. Estimated quantities and description of material(s) distributed.	Materials are now available on the TxDOT website for immediate download. Materials include puzzles, informational brochures on environmental topics, recycling brochures, and a water quality coloring book. Also information on how to get involved in the Adopt a Highway program and other initiatives. See: http://www.txdot.gov/inside-txdot/division/environmental/stormwater.html & http://www.txdot.gov/inside-txdot/forms-publications/publications/for-kids.html	Completed 08/13/2016 – 11/30/2016	Met Goal	N
MCM 1 - Public Education and Outreach on Storm Water Impacts	Flyers and/or Brochures (Target Audience: Public Service Employees)	Distribute flyers and brochures to public service employees who work in the MS4 Phase II permit area.	Date and how materials were distributed. Estimated quantities and description of material(s) distributed.	Materials are now available on the TxDOT website for immediate download, including manuals for herbicide operations, guide to vegetative cover, construction specifications, and guidance on proper use of TxDOT ROW. See: http://www.txdot.gov/inside-txdot/division/environmental/stormwater.html	Completed 08/13/2016 – 11/30/2016	Met Goal	N

MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects requiring a CGP NOI (large project) that are in the Phase II MS4 area and provide water quality guidance materials.	Date of distribution, project requiring CGP NOI, type material distributed, and estimated quantity distributed.	There was one (1) pre-construction meeting for large projects requiring a CGP NOI within the San Angelo Phase II MS4. SW3P and MS4 topics were covered and website provided http://www.txdot.gov/inside-txdot/division/environmental/stormwater.html.	Completed 08/13/2016 – 11/30/2016	Met Goal	N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Record date of events, number of miles of roadway targeted, and bags or pounds of material removed.	Six (6) miles were adopted in the Phase II MS4 permit area. No litter was collected during the reporting period. See Attachment A , Table 1	Completed 08/13/2016 – 11/30/2016	Met Goal	N
MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Provide educational materials upon request.	Contact Adopt-A-Highway groups in the San Angelo Phase II MS4 area and offer educational material. If requested, provided material to group.	Date and names of groups contacted and if material is requested. If requested, date material is provided, type material sent, and estimated quantity of material.	All Adopt-A-Highway groups in the San Angelo District were contacted. No groups requested educational material. See Attachment A , Table 2	Completed 08/13/2016 – 11/30/2016	Met Goal	N

MCM 3 - Illicit Discharge Detection and Elimination	Develop Storm Sewer Outfall Inventory Map	Identify from the roadway plans and map on a schedule such that every outfall is mapped by the end of the 5 year implementation period.	Miles of roadway in the MS4 Phase II permit area, percent of roadways mapped, and list or map of storm sewer outfalls.	Review of as-built plans was completed in permit year 4. See Attachment B, Map 1	Completed 08/13/2016 – 11/30/2016	Met goal.	N See Note 1 at end of table.
MCM 3 - Illicit Discharge Detection and Elimination	Update Storm Sewer Outfall Inventory Map	Update the map to include new and relocated outfalls for the same roadways that were mapped in developing the inventory map. To be done on a schedule such that the map is updated by the end of the 5 year implementation period.	Methods used to update the map, number of new and/or relocated outfalls, and list or printed map of new and/or relocated outfalls added to the inventory map.	Mapping of outfalls was completed in permit year 4. See Attachment B, Map 1	Completed 08/13/2016 – 11/30/2016	Met goal.	N See Note 1 at end of table.
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen outfall on the most current map available on a schedule such that all outfalls will be screened by the end of the 5 year implementation period.	List of outfalls screened, date of screening, number of illicit dry weather flows identified, and outcome of any necessary follow-up actions resulting from the screening.	Surveys for illicit discharges was completed in permit year 4 See Attachment B, Map 1	Completed 08/13/2016 – 11/30/2016	Met goal.	N See Note1 at end of table.

MCM 4 - Construction Site Storm Water Runoff Control	Compliance with the CGP	Implement plan to ensure TxDOT complies with and requires its contractors to comply with the CGP.	Record the number of CGP NOIs for large projects and CSNs for small projects within the TxDOT ROW; locations of projects, dates of inspections, results of inspections, and, if needed, outcome of follow up actions	(1) CGP NOI (large project) CSJ 0077-06-098 and (0) CSN (small project) was required to authorize TxDOT construction projects. See Attachment C, Table 1 for location of project, dates of inspections, results of inspections, and any needed follow up actions.	Completed 08/13/2016 – 11/30/2016	Met goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Identify and report discharges from construction sites outside of TxDOT's ROW with inadequate controls.	Identify discharges to the MS4 from construction projects outside the TxDOT ROW that may have inadequate SW3P controls. Report findings to local government for resolution.	Record dates of inspections, number of construction sites identified, results of inspections, and, if needed, outcome of follow up actions.	TxDOT received (0) NOIs & (0) Construction Site Notices during the current reporting period. See Attachment C, Table 2 for location of project, dates of inspections, results of inspections, and any needed follow up actions .	Completed 08/13/2016 – 11/30/2016	Met Goal	N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Identification and Selection of Structural Control Measures	Identify and select stormwater runoff controls during project design for new development and redevelopment of transportation facilities. Incorporate stormwater controls into project plans to address water quality issues.	Document stormwater controls considered during project design and the stormwater controls that were included in the project plans.	In 08-13-2016 to 11-30-2016 reporting period, TxDOT identified one (1) project within the Phase II MS4 area, and inside of the TxDOT ROW, that was appropriate for storm water control measures. The project's construction plans included sediment control fences at appropriate locations and rock filter dams and erosion control logs at drainage inlets. This project is Upgrade US 67 from SL 306 to FM 2288 - CSJ 0077-06-098..	Completed 08/13/2016 – 11/30/2016	Met Goal	N See Note 2 at end of table.

MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Maintenance of Permanent Control Measures	Survey permanent controls on a schedule such that all controls are surveyed at least once during the permit term. Identify and schedule any needed maintenance.	Inspect permanent control measures on TxDOT roadways in Phase II MS4 permit area. Record percent of MS4 area inspected, date of inspection, results of inspection, and, if needed, results of follow up actions.	Inspection of permanent control measures was completed in permit year 4. No maintenance needs were identified. In this reporting period, scheduled street sweeping was completed 4 times, scheduled hand sweeping was completed 1 times, scheduled litter pick up was completed 3 times, and scheduled mowing was completed 2 times. See Attachment D, Table 1	Completed 08/13/2016 – 11/30/2016	Met Goal	N See Note 1 at end of table.
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Facility Inspections	ENV PPA will inspect maintenance facilities in the MS4 permit area once per permit term and provide a Facility Operations Environmental Advisory Survey Report.	Document number of inspections, date of inspections, results of inspections, and, if needed, outcome of follow up actions.	ENV PPA conducted facilities inspection of the San Angelo District Complex and facilities inspection of the San Angelo Maintenance Facility in September 2009 of permit year 3 and thus met this requirement. No ENV PPA facility inspections were done in 08-13-2016 to 11-30-2016 reporting period.	Completed 09/2009	Met Goal	N See Note 2 at end of table.
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee training	TxDOT employees working in the MS4 permit area will attend at least one training class per permit year. These district employees are encouraged to attend one class during the permit year.	Record number of employees working the in the permit area, training courses held, dates of training, and number of participants per class.	There were 2 pollution prevention training courses with 4 TxDOT employee participants during the reporting period. These employee participants work in the Phase II MS4 permit area. See Attachment E, Table 1	Completed 08/13/2016 – 11/30/2016	Met Goal	N See Note 1 at end of table. See Note 2 at end of table.

MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Disposal of Waste	Remove and ensure proper disposal of litter and debris from roadways in the Phase II MS4 area by street sweeping.	Record volume, weight, or other appropriate measure of amount litter and debris removed.	During the reporting period, 319 cubic yards of litter and debris were removed from roadways & drainages in the permit area by street & hand sweeping. 189 cubic yards of litter was removed from the right of way by litter pick up. Material removed was disposed of at the City of San Angelo Municipal Landfill. See Attachment E, Tables 2, and 3.	Completed 08/13/2016 – 11/30/2016	Met Goal	N See Note 1 at end of table.
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Inspection of Structural Controls for sand and ice rock storage areas.	Inspect structural controls at least once per permit year if sand and ice rock are used.	If sand or Ice rock is stored in the Phase II MS4 area , record date of inspection, results of inspection, and, if needed, results of follow up actions.	During the reporting period, sand, salt / ice rock, and brine were stored in the Phase II MS4 area. The inspection of structural controls was performed on 11-09-2016 and no follow up actions were required. .	Completed 08/13/2016 – 11/30/2016	Met Goal	N

Note 1: There are no changes to the SWMP being proposed. However in the Annual Report for Year 1, TxDOT inadvertently stated that the BMP activity will be implemented differently from what was stated in the SWMP. This information has been corrected in our site-specific Implementation Plan to reiterate the BMP as stated in the SWMP.

Note 2: There are no changes to the SWMP being proposed. Due to TxDOT's reorganization, the Implementation Plan that was submitted with the Year 1 Annual Report needs to have the Responsible Party for this BMP updated. This information has been corrected in our site-specific implementation plan.

E. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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): Mark E. Jones, P.E. *Title: District Engineer

Signature: _____ Date: _____

*Must be signed by a "principal executive officer…having responsibility for the overall operations of a principal geographic unit of the agency" as described in 30 TAC §305.44 (Signatory to Applications) and referenced in 30 TAC §305.128 (Signatory to Reports). This requirement is met by the District Engineer.

Attachment A

TABLE 1
DOCUMENTATION OF THE ACTIVITIES CONDUCTED,
MATERIALS USED, AND AMOUNT OF RESOURCES USED TO ADDRESS EACH GROUP
TO FULLFILL THE MCM 2 (PUBLIC INVOLVEMENT AND PARTICIPATION)

Volunteer Litter Collection		
Collection Dated	Miles of Roadway	Number of Bags of Litter Collected

Three groups adopted 2 miles each during the reporting period. No litter was picked up during the reporting period.

See the following Attachment A, Table 2 for a list of the three groups.

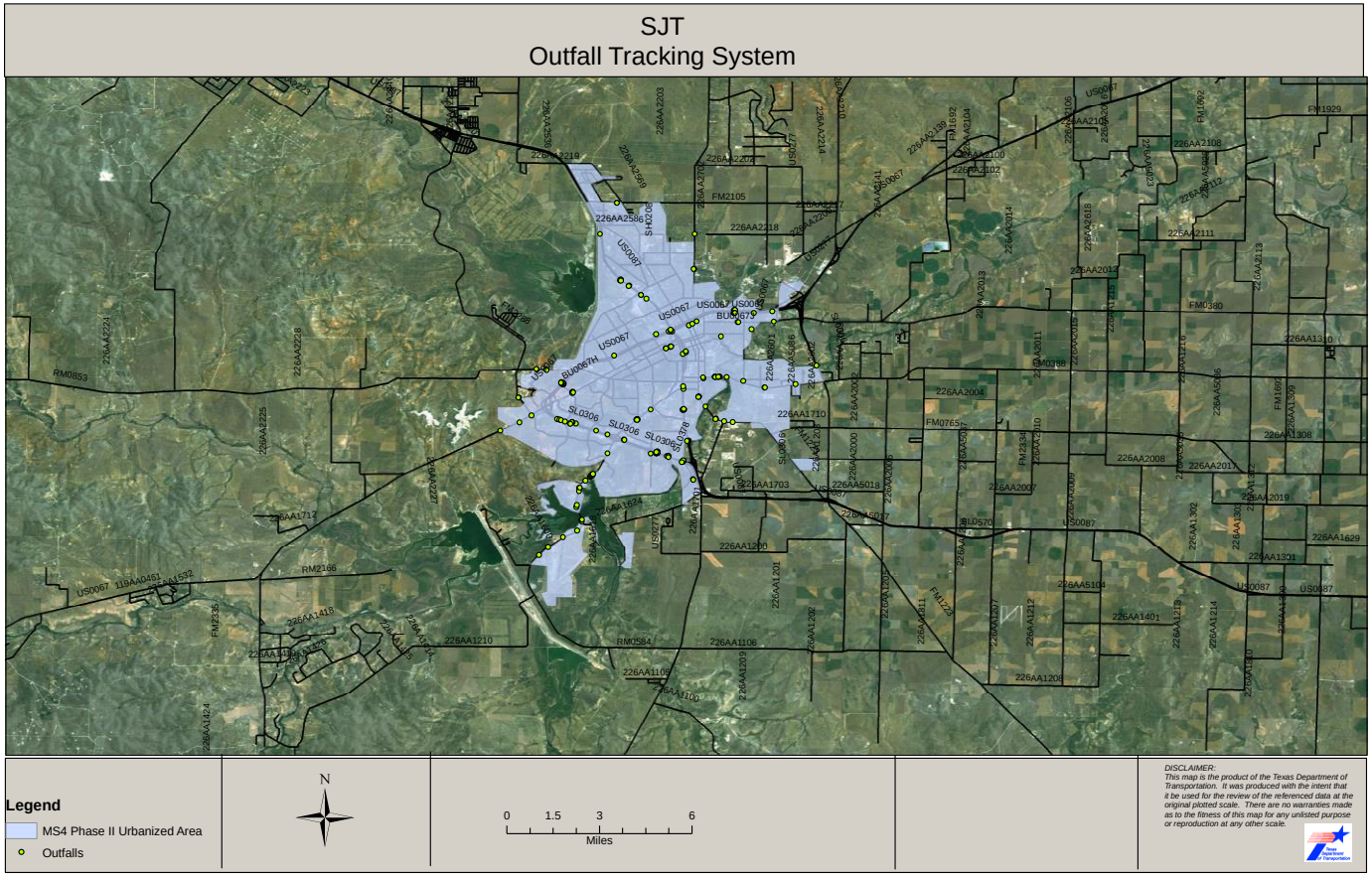
Attachment A, continued

TABLE 2
DOCUMENTATION OF THE ACTIVITIES CONDUCTED,
MATERIALS USED, AND AMOUNT OF RESOURCES USED TO ADDRESS EACH GROUP
TO FULLFILL THE MCM 2 (PUBLIC INVOLVEMENT AND PARTICIPATION)

Adopt-A-Highway Groups in the Phase II MS4 Contacted and Requests for Educational Materials					
Date Group contacted	Name of Group	Material Requested (Y) or (N)	Date Material Sent	Materials Provided	Quantity
04/03/2017	Boy Scouts of America Troop 363	N	NA	NA	NA
04/03/2017	Rotary Club of San Angelo	N	NA	NA	NA
04/03/2017	Lake View High School Student Council & National Honor Society	N	NA	NA	NA

Attachment B

Map 1
DOCUMENTATION OF THE ACTIVITIES CONDUCTED
TO FULLFILL THE MCM -3 (Storm Sewer Outfall Inventory Map)



Attachment C

TABLE 1
DOCUMENTATION OF THE INSPECTIONS CONDUCTED,
RESULTS OF INSPECTIONS, AND, IF NEEDED, FOLLOW UP ACTIONS
TO FULLFILL THE MCM 4 (CONSTRUCTION SITE STORM WATER RUNOFF CONTROL)
{PROJECTS WITHIN THE MS4 AREA AND WITHIN TxDOT ROW}

(1) CGP NOI (large project) and (0) CSN (small project) were required to authorize TxDOT construction projects (2) . Upgrade US 67 from SL 306 to FM 2288 - CSJ 0077-06-098			
Inspection Date	Inspection Results/ Contractor in Compliance with CGP Y or N	Follow Up Action(s) Required from Contractor Y or N	Date Follow Up Action(s) Completed for Compliance with CGP
10-25-2016	Y	N	NA
11-01-2016	Y	N	NA
11-07-2016	Y	N	NA
11-10-2016	Y	N	NA
11-17-2016	Y	N	NA
11-28-2016	Y	N	NA

Attachment C, continued
TABLE 2
DOCUMENTATION OF THE INSPECTIONS CONDUCTED,
RESULTS OF INSPECTIONS, AND, IF NEEDED, FOLLOW UP ACTIONS
TO FULLFILL THE MCM 4 (CONSTRUCTION SITE STORM WATER RUNOFF CONTROL)
{PROJECTS WITHIN THE MS4 AREA AND OUTSIDE OF THE TxDOT ROW}

Results of Survey to Identify Construction Sites Outside TxDOT's ROW:

TxDOT received (0) NOIs & (0) CSNs, for projects within the MS4 area and outside TxDOT's ROW, during the current reporting period.

Date	Location of Construction Site	Possible Discharge to TxDOT MS4	Follow Up Action	Results of Follow Up Action
NA	NA	NA	NA	NA

Attachment D

TABLE 1
DOCUMENTATION OF MAINTENANCE OF PERMANENT CONTROL MEASURES TO FULLFILL THE MCM 5 (POST-CONSTRUCTION STORMWATER MANANGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT)

Roadway	Control Measure	Management Practice	Scheduled Maintenance Activity	Maintenance Needs Identified Y or N	Outcome of Follow Up Actions
US 87 From Humble Rd. Concho River Bridge	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
LP 306 From US 87 to US 67	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
US 67 From Smith Bvld. to BU 67H	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
FM 584 From US 87 to Spillway Rd.	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
BU 67H From LP 306 to US 87	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
BU 67J From US 67 to LP 306	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
FM 388 From US 87 to City limits	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA

Attachment D, continued

TABLE 1
DOCUMENTATION OF MAINTENANCE OF PERMANTENT CONTROL MEASURES TO FULLFILL THE MCM 5 (POST-CONSTRUCTION STORMWATER MANANGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT)

Roadway	Control Measure	Management Practice	Scheduled Maintenance Activity	Maintenance Needs Identified Y or N	Outcome of Follow Up Actions
FM 1223 From Ave. L to 0.2 miles south of Goodfellow AFB	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
SH 208 From US 87 to 28th St.	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
US 67 From LP 306 to Chapel Hill Rd.	Curb and Gutter; Grass-lined Drainage Ditches	Street Sweeping	4 times during reporting period	N	NA
US 67 At Midland St.	Lined Drainage Ditch	Hand Sweeping	1 time during reporting period	N	NA
US 67 At Howard St.	Lined Drainage Ditch	Hand Sweeping	1 time during reporting period	N	NA
US 67 At Jefferson St.	Lined Drainage Ditch	Hand Sweeping	1 time during reporting period	N	NA
US 67 At Glenna St.	Lined Drainage Ditch	Hand Sweeping	1 time during reporting period	N	NA

Attachment D, continued

TABLE 1
DOCUMENTATION OF MAINTENANCE OF PERMANTENT CONTROL MEASURES TO FULLFILL THE MCM 5 (POST-CONSTRUCTION STORMWATER MANANGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT)

Roadway	Control Measure	Management Practice	Scheduled Maintenance Activity	Maintenance Needs Identified Y or N	Outcome of Follow Up Actions
US 67 At Childress St	Lined Drainage Ditch & Riprap	Hand Sweeping	1 time during reporting period	N	NA
US 67 At Main St.	Lined Drainage Ditch	Hand Sweeping	1 time during reporting period	N	NA
US 67 At Bell St.	Lined Drainage Ditch	Hand Sweeping	1 time during reporting period	N	NA
US 67 West of Bell St.	Lined Drainage Ditch	Hand Sweeping	1 time during reporting period	N	NA
Loop 306 US 87 To Knickerbocker Road	Curb and Gutter; Grass-lined Drainage Ditches	Litter Pickup	3 times during reporting period	N	NA
Loop 306 Knickerbocker Road to US 67 (West I/C)	Curb and Gutter; Grass-lined Drainage Ditches	Litter Pickup	3 times during reporting period	N	NA

Attachment D, continued

TABLE 1
DOCUMENTATION OF MAINTENANCE OF PERMANENT CONTROL MEASURES TO FULLFILL THE MCM 5 (POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT)

Roadway	Control Measure	Management Practice	Scheduled Maintenance Activity	Maintenance Needs Identified Y or N	Outcome of Follow Up Actions
US 67 (West I/C) to Glenna Street	Curb and Gutter; Grass-lined Drainage Ditches	Litter Pickup	3 times during reporting period	N	NA
US 67 Glenna Street to Van Buren	Curb and Gutter; Grass-lined Drainage Ditches	Litter Pickup	3 times during reporting period	N	NA
US 67 Oakes to Bell Street	Curb and Gutter; Grass-lined Drainage Ditches	Litter Pickup	3 times during reporting period	N	NA
US 67 Van Buren to Oakes	Curb and Gutter; Grass-lined Drainage Ditches	Litter Pickup	3 times during reporting period	N	NA

Attachment D, continued

TABLE 1
DOCUMENTATION OF MAINTENANCE OF PERMANTENT CONTROL MEASURES TO FULLFILL THE MCM 5 (POST-CONSTRUCTION STORMWATER MANANGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT)

Roadway	Control Measure	Management Practice	Scheduled Maintenance Activity	Maintenance Needs Identified Y or N	Outcome of Follow Up Actions
US 87N From 14th St. to FM 2105	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
US 67 From FM 2288 to Smith Blvd.	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
LP 306 From US 67 to US 87	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
BU 67J From St. John St. to LP 306	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
FM 388 From S. Oakes St. to LP 306	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
BU 67H From Moritz Circle to LP 306	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
FM 853 From Glenna St. to FM 2288	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA

Attachment D, continued

TABLE 1
DOCUMENTATION OF MAINTENANCE OF PERMANTENT CONTROL MEASURES TO FULLFILL THE MCM 5 (POST-CONSTRUCTION STORMWATER MANANGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT)

Roadway	Control Measure	Management Practice	Scheduled Maintenance Activity	Maintenance Needs Identified Y or N	Outcome of Follow Up Actions
FM 765 From FM 1223 to LP 306	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
FM 1223 From Ave. R to US 87	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
SH 208 From US 87 to FM 2105	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
RM 584 From San Angelo City Limit to Palo Duro Dr.	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
US 87S From Houston Harte Frwy. To US 277	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA
FM 2288 From US 67 to RM 853	Curb and Gutter; Grass-lined Drainage Ditches	Mowing	2 times during reporting period	N	NA

Attachment E
TABLE 1
DOCUMENTATION OF MAINTENANCE OF EMPLOYEE TRAINING TO FULLFILL THE MCM 6 (POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL PRACTICES)

Training Completion Date	Training Course	Number of Participants
08-13-2016 To 11-30-2016	ENV103-Storm Water Pollu Prevent Plan	3
08-13-2016 To 11-30-2016	ENV433-Storm Water ENV Req During CON	1
	Total of Course Participation	4

Attachment E, continued

TABLE 2
DOCUMENTATION OF MAINTENANCE OF DISPOSAL OF WASTE TO FULLFILL THE MCM 6 (POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL PRACTICES)

Litter and Debris Collected by Street & Hand Sweeping	
Date	Cubic Yards Collected
August	70
September	82
October	86
November	82
Total	319

Attachment E, continued

TABLE 3
DOCUMENTATION OF MAINTENANCE OF DISPOSAL OF WASTE TO FULLFILL THE MCM 6 (POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL PRACTICES)

Litter Collected From Litter Pick Up	
Date	Cubic Yards Collected
September	84
October	66
November	39
Total	189

San Antonio District

TPDES PERMIT No. WQ0004284000
Annual Report for
Texas Department of Transportation
San Antonio District

This annual report is submitted pursuant to TPDES Permit WQ0004284000, which was issued on September 28, 2007. The reporting period is October 1, 2016 to November 30, 2016. On November 30, 2016 TxDOT's coverage under this permit was terminated and TxDOT began operating under its own statewide TPDES permit.

1. Status of the Implementation of the Storm Water Management Program
   The Storm Water Management Plan has been fully implemented. The compliance schedules originally established by EPA have been previously met.

2. Screening Methodology
   TxDOT maintenance personnel drive and perform various inspections along TxDOT roads on a daily basis, and this provides them the opportunity to find and report illicit discharges.

   In addition, TxDOT's environmental section is continuously evaluating proposed future roadway projects for potential environmental impacts pursuant to the National Environmental Policy Act. The environmental studies performed along various TxDOT roadway corridors in the permit area provide further opportunities for us to identify illicit discharges and other conditions (such as hazardous materials sites) which could be detrimental to water quality and take appropriate action.

3. Proposed Storm Water Management Program Changes
   TxDOT is now operating under a new SWMP per the new statewide TxDOT permit.

4. Revisions to the assessment of controls and the fiscal analysis
   TxDOT proposes no revisions to the assessments of controls. No statement regarding the fiscal analysis was in TxDOT's Storm Water Management Program. ***Table 1*** is attached which describes the funding categories and expenditures of activities that are considered to be routine maintenance.

5. Monitoring data accumulated throughout the reporting year
   TxDOT funded the wet weather sampling station at outfall 007 up until November 30, 2016. The San Antonio River Authority (SARA) was contracted by TxDOT to perform all data collection; however, no discharges resulting in samples occurred during the applicable reporting cycle. The Discharge Monitoring Report (DMR) is attached (4 pages).

6. Annual expenditures for the reporting period with a breakdown for the major elements of the Storm Water Management Program and the budget for the year following each annual report.
   Expenditures incurred during the reporting period include approximately $2,016.00 to the San Antonio River Authority for monitoring and sampling one wet weather sampling station. Additional expenditures are shown on ***Table 1*** (attached).

7. A summary describing the number and nature of enforcement actions, inspections and public education program.

Each TxDOT construction project that requires a construction general permit (in general, this includes projects that disturb at least one acre) is inspected at least once per year by TxDOT's San Antonio district environmental personnel. The purpose of the inspection is to facilitate compliance with all applicable environmental requirements with an emphasis on storm water related requirements. This supplements inspections performed by TxDOT construction personnel that are performed on a weekly/biweekly basis pursuant to TXR150000.

Adopt-A Highway

TxDOT operates the Adopt-A-Highway Program, in which participating groups collect litter from the right of way.

Don't Mess with Texas (DMWT)

Don't Mess with Texas is TxDOT's premier public education and outreach program focusing on environmental stewardship. The DMWT Program media campaign continues to reach all Texans and visitors year round. Don't Mess with Texas is a registered trademark of the Texas Department of Transportation.

8. Identification of Water Quality Improvements or Degradation

TxDOT is not able to identify any water improvement or degradations during this reporting period.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.

1/30/18

Date

Mario Jorge, P.E.
District Engineer
San Antonio District

Table 1
Allocations for Texas Department of Transportation (San Antonio District) Storm Water Management Program in the City of San Antonio
2017 Annual Report

Funding Category	Expenditures (Est.)
Litter: Removal and disposal of litter.FC 521	$146,056
Street Sweeping: Routine street sweeping. FC 522, 527	$193,278
Spot Litter: Patrolling, removal and disposal of litter or debris on the roadway or right-of-way. FC 524, 523	$72,110
Adopt-A-Highway: Installation of posts and signs, materials furnished to groups, the personnel and equipment used to assist in removal and disposal of collected litter. FC 525	$2,531
Chemical Vegetation Control Edges: Control of vegetation growth along pavement edges, curbs, shoulders or islands with chemicals. FC 541	$26,414
Tree and Brush Control: The trimming and disposal of shrubs, vines and trees. FC 552	$19,757
Ditch Maintenance: Removal and hauling of silt, and or filling eroded areas. FC 561,562	$18,208
Culvert and Storm Drain Maintenance: The repair and maintenance of culverts (up to bridge class). This work includes silt and debris removal, inlet or storm drain cleaning and other maintenance items related to culverts and storm drains. FC 570	$59,521
Storm Water Pump Station Maintenance: Repair and maintenance of motors, pumps, generators, wet wells, dry wells, debris screening baskets, buildings, etc. FC 571	$245,142
Channel Maintenance: Removing silt and drift, filling eroded areas, and repair of fenders, jetties, dikes riprap and channel maintenance. FC 620, 625	0
Seeding, Sodding, Hydromulching and Blanketing FC 548	0
Landscaping: The installation or maintenance of landscape plantings and their facilities including planter walls, borders, sprinkler systems, etc. FC 551.	0
Slope Repair/Stabilization: Slope repair and/or stabilization using maintainer, dozer, etc. not including work at culverts or bridges. FC 563	$42,215
Hazardous Material Cleanup: Investigation, testing, cleanup, removal, disposal and restoration work associated with spills or abandoned hazardous materials. FC 830, 520	$2,394
TOTAL	$828,076

Note: This table summarizes approximate expenditures from October 1, 2016 to November 30, 2016. On Nov 30, 2016 TCEQ issued TxDOT its own statewide permit.

Name: City of San Antonio
Address: Joint Stormwater Permit, San Antonio, Tx 78283
Facility: City of San Antonio MS4
Location: San Antonio, Tx

National Pollutant Discharge Elimination System (NPDES)
Discharge Monitoring Report
TPDES Permit Number: WQ0004284000 (formerly EPA Permit TXS001901)

****No Discharge <✓> ****

Discharge Number: 007

Ingram Road at Leon Creek Effluent

Monitoring Period						
Year	Mo	Day	To	Year	Mo	Day
2016	9	1		2016	11	30

Parameter		Quantity or Loading			Quality or Concentration				No Ex.	Frequency of Analysis	Sample Type
		Avg	Max	Units	Minimum	Average	Maximum	Units			
Temperature, Water Deg. Centigrade	Sample Measurement	***	***	***				Deg. C			
	Permit Requirement	***	***	***	Report Daily Min	Report Daily Av	Report Daily Max			once/season	Grab
BOD, 5-Day	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Oxygen Demand, Chem. (COD)	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
pH	Sample Measurement	***	***	***		***		SU			
	Permit Requirement	***	***	***	Report Minimum	***	Report Daily Max			once/season	Grab
Solids, Total Suspended	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Oil & Grease	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Grab
Nitrogen, Total (as N)	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp

Name/Title Principal Executive Officer

Mario Jorge, P.E.
TxDOT San Antonio District Engineer

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on 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.

Signature of Principal Executive

Telephone
(210)
615-1110

Date
2018/1/30
Year/Month/Date

Comments or Explanation of any Violations

Name: City of San Antonio
Address: Joint Stormwater Permit, San Antonio, Tx 78283
Facility: City of San Antonio MS4
Location: San Antonio, Tx

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Discharge Monitoring Report
TPDES Permit Number: WQ0004284000 (formerly EPA Permit TXS001901)

****No Discharge <✓> ****

Discharge Number: 007

Ingram Road at Leon Creek Effluent

Monitoring Period						
Year	Mo	Day	To	Year	Mo	Day
2016	9	1		2016	11	30

Parameter		Quantity or Loading			Quality or Concentration				No Ex.	Frequency of Analysis	Sample Type
		Avg	Max	Units	Minimum	Average	Maximum	Units			
Nitrogen, Ammonia Total (as N)	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report|Daily Av	Report Daily Max			once/season	Comp
Nitrogen, Kjeldahl Total (as N)	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Nitrite plus Nitrate, Total (as N)	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report|Daily Av	Report Daily Max			once/season	Comp
Phosphorous, Total (as P)	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report|Daily Av	Report Daily Max			once/season	Comp
Phosphorous, Dissolved	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Cyanide, Free (Amen. to chlorination)	Sample Measurement	***	***	***	***			u/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Hardness, Total (as CACO3)	Sample Measurement	***	***	***				mg/L			
	Permit Requirement	***	***	***	Report|Daily Min	Report|Daily Av	Report Daily Max			once/season	Grab

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TxDOT San Antonio District Engineer

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(210) 615-1110

Date
2016 / 11 / 30
Year/Month/Date

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Name: City of San Antonio
Address: Joint Stormwater Permit, San Antonio, Tx 78283
Facility: City of San Antonio MS4
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Ingram Road at Leon Creek Effluent

Monitoring Period						
Year	Mo	Day	To	Year	Mo	Day
2016	9	1		2016	11	30

Parameter		Quantity or Loading			Quality or Concentration				No Ex.	Frequency of Analysis	Sample Type
		Avg	Max	Units	Minimum	Average	Maximum	Units			
Cadmium, Total (as Cd)	Sample Measurement	***	***	***	***			ug/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Chromium, Total (as Cr)	Sample Measurement	***	***	***	***			ug/L			
	PermitiRequirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Copper, Total (as Cu)	Sample Measurement	***	***	***	***			ug/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Lead, Total (as Pb)	Sample Measurement	***	***	***	***			ug/L			
	PermitiRequirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Nickel, Total (as Ni)	Sample Measurement	***	***	***	***			ug/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Zinc, Total (as Zn)	Sample Measurement	***	***	***	***			ug/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Diazinon	Sample Measurement	***	***	***	***			ug/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Grab

Name/Title Principal Executive Officer

Mario Jorge, P.E.
TxDOT San Antonio District Engineer

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2016 | 11 | 30
Year/Month/Date

Comments or Explanation of any Violations

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Discharge Number: 007

Ingram Road at Leon Creek Effluent

Monitoring Period						
Year	Mo	Day	To	Year	Mo	Day
2016	9	1		2016	11	30

Parameter		Quantity or Loading			Quality or Concentration				No Ex.	Frequency of Analysis	Sample Type
		Avg	Max	Units	Minimum	Average	Maximum	Units			
E. coli	Sample Measurement	***	***	***	***			MPN/100ml			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp
Solids, Total Dissolved	Sample Measurement	***	***	***	***			mg/L			
	Permit Requirement	***	***	***	***	Report Daily Av	Report Daily Max			once/season	Comp

Name/Title Principal Executive Officer

Mario Jorge, P.E.
TxDOT San Antonio District Engineer

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Signature of Principal Executive

Telephone
(210)
615-1110

Date
2018 11 30
Year/Month/Date

Comments or Explanation of any Violations

Phase II (Small) MS4 Annual Report Form
TPDES General Permit Number TXR040000

A. General Information

Authorization Number: **TXR040198**

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

Annual Reporting Year Option Selected by MS4: **Permit Year**

Calendar Year: **2016**

Permit Year: **4**

Fiscal Year: **2016/2017** Last day of fiscal year: **8/31/2016**

Reporting period beginning date: (month/date/year): **8/13/2016**

Reporting period end date (month/date/year): **11/30/2016**

MS4 Operator Level: **2** Name of MS4: **TxDOT San Antonio District MS4**

Contact Name: **John Bryant** Telephone Number: **210-615-5838**

Mailing Address: **4615 N.W. Loop 410, San Antonio, TX 78229**

E-mail Address: **john.bryant@txdot.gov**

A copy of the annual report was submitted to the TCEQ Region YES **X**
NO__

The annual report was submitted to TCEQ Region **13 - San Antonio**

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		**Txdot has implemented its approved SWMP.**

Permittee is currently in compliance with recordkeeping and reporting requirements.	X		**Required records have been kept and all reporting requirements have been met.**
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		**Txdot meets all eligibility requirements including TMDL, Edwards Aquifer requirements and compliance history.**

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

   All BMPs chosen by Txdot in compliance with this permit are appropriate for reducing the discharge of pollutants in stormwater to the maximum extent practicable (MEP).

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
Public Educ. Outreach & Involvement	**Adopt-A-Highway**	**Yes.** Txdot sponsored 285 volunteer groups in Bexar (113), Comal (86), Guadalupe (35), Atascosa (12), and Kendall (39) Counties; a total of 570 miles of highway where litter was collected and properly disposed of which kept it from entering storm drains and streams.
	Don't Mess with Texas	**Yes.** Txdot's program to bring awareness of the need to dispose of litter properly keeps trash from entering storm drains and streams.
Illicit Discharge Detection & Elimination	**Outfall Inventory Map**	**Yes.** Keeping an updated outfall inventory map helps to ensure that pollutants and trash are not discharged into streams.
	Employee Training	**Yes.** Ensuring Txdot's employees are aware of the effects of stormwater pollution reduces the discharge of pollutants to stormwater.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
Construction Site Storm-water runoff control	**Construction Site Inspections**	**Yes.** Ensuring that construction projects are in compliance with the TPDES Construction General Permit reduces the discharge of sediments and pollutants from Txdot's construction sites.
	Pre-construction Meetings	**Yes.** Presenting stormwater information to employees and contractors at the beginning of each construction project ensures they are aware of requirements to implement a storm water pollution prevention plan and comply with the TPDES Construction General Permit.
Post-Constr. Stormwater Management	**Inventory of Permanent Structural Controls**	**Yes.** Keeping an up to date inventory of structural controls helps to make sure they are maintained properly to reduce the discharge of pollutants to stormwater.
	Inspection & Maintenance of Permanent Structural Controls	**Yes.** Maintenance of permanent structural controls helps to keep them working properly and reduces the discharge of pollutants to stormwater.
Pollution Prevention & Good House-keeping	**Facility Inspections**	**Yes.** Regular inspections of facilities ensures that pollution prevention practices are being implemented which reduces the discharge of pollutants to stormwater.
	Employee Training	**Yes.** Training of responsible employees directed at preventing and reducing storm water pollution from operations and maintenance operations reduces the discharge of pollutants to stormwater.

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:

Progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) can be evaluated in terms of BMP implementation and progress towards meeting our measurable goals. This is consistent with 40 CFR 122.34, which states "implementation of

best management practices consistent with the provisions of the storm water management program required by this section and the provisions of the permit required by 122.23 constitutes compliance with the standard of reducing pollutants to the "maximum extent practicable". Though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that litter will pollute storm water, resulting in a pollution reduction.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, explain.)
N/A	N/A	N/A	N/A	N/A	N/A

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.
Public Educ. Outreach & Involvement	**Provide educational materials to targeted groups each permit year.**	Met Goal. Don't Mess With Texas public service announcements on television, radio and website are presented in the MS4 area and statewide monthly.
Public Educ. Outreach & Involvement	**Present storm water information during pre-construction meeting one time per permit year.**	Exceeded Goal. Storm water information was presented at pre-construction meetings. List of meetings is attached.
Illicit Discharge Detection & Elimination	**Update the outfall inventory map one time during permit term.**	Not applicable during this permit year.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished please explain.
	Perform dry weather screening of the MS4 one time during the permit term.	Not applicable during this permit year.
Construction Site Storm Water Runoff Control	**Perform one detailed construction site inspection each year of the permit.**	Exceeded Goal. More than one detailed inspection was performed by the district environmental quality coordinator (DEQC). An inspection report (EMS Construction Stage Gate Checklist) is attached.
	Attend a pre-constr. meeting for a project requiring a CGP NOI once each permit year.	Exceeded Goal. Pre-construction meetings for projects requiring a CGP NOI were attended by the DEQC or other environmental employee. The SW3P and storm water pollution prevention BMPs were emphasized to the project contractors.
Post-Constr. Storm Water Management	**Update inventory list of permanent structural controls.**	Met Goal. The inventory list of permanent structural controls is attached.
	Routinely inspect and maintain permanent BMPS.	Met Goal. Monthly stormwater basin activity reports with inspection dates and details of maintenance performed, and monthly rainfall reports for the basin locations are available at the San Antonio District office. (T://Env Section/MS4/MS4 Ph II/ Annual Reports)
Pollution Prevention & Good House-keeping	**Inspect all maintenance facilities once during permit term**	Exceeded Goal. All maintenance facilities were inspected monthly during this permit year. The SPCC inspection reports are available at each maintenance facility.
	Maintenance Section employees attend one training class annually.	Met Goal. Maintenance Section employees attended classes and took online classes containing information on storm water pollution prevention, vegetation management, herbicide certification, and SPCC.

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))

Visual environmental compliance inspections are conducted at all Txdot construction projects within the MS4. The inspections concentrate on compliance with the TPDES Construction General Permit and Txdot's stormwater pollution prevention practices. Temporary BMPs are inspected to ensure they are working properly at keeping sediment from leaving the construction site and potentially discharging to the MS4 and to streams. Project files and records are inspected to ensure that record-keeping requirements are met. Inspection reports indicate the success of the district's stormwater pollution prevention program by the number of compliant and non-compliant issues found.

SPCC inspections are conducted monthly at all District Maintenance offices. The inspections ensure stormwater pollution prevention practices are being implemented. The inspections help to assess the success of the SWMP at reducing the discharge of pollutants to the MEP. Written reports of these inspections are kept at the District Maintenance offices.

Stormwater quality basins are inspected on a regular basis and the inspection reports show that these permanent BMPs are working and reducing the discharge of pollutants. Maintenance of permanent structural controls helps to keep them working properly and reduces the discharge of pollutants to stormwater to the maximum extent practicable (MEP).

Maintenance and field employees are instructed to report suspected dry weather flows or illicit discharges to TxDOT's ROW to the area engineer or environmental staff for follow-up or investigation. No incidences of illicit discharges were reported by field employees this permit year.

Txdot maintains contracts for litter pick-up in medians and ROWs and mechanical sweeping of some roadways in the MS4 area. The amount of litter and waste material disposed of from the litter pick-up and streets sweepers is an indicator of litter and debris removed from the roads that will not enter the MS4. The amounts of waste removed can be compared relatively to the amounts removed in previous years in assessing the success of Txdot's SWMP.

A Txdot sponsored survey analyzed attitudes and behavior toward littering and the "Don't Mess with Texas" slogan and found that awareness of the slogan is very high with most people associating it with an anti-litter message and keeping our state clean which helps to keep litter out of the MS4 and reduce the discharge of pollutants to the MEP. (2013 Litter Attitudes and Behaviors Report, 4-3-2013)

D. Impaired Waterbodies

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

1. 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

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

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

3. 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	**N/A**	**N/A**

4. 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	N/A

5. 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	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)):

Coverage on this permit ceased on November 30, 2016. Stormwater activities to undertaken starting on November 30, 2016 are indicated in the new statewide MS4 permit.

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	N/A	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.):

N/A

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	N/A	N/A	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: **N/A**

Name and Explanation: **N/A**

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 ___ 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: _____**N/A**_____ Permittee:____ **N/A** __

Authorization Number: _____**N/A** _____ Permittee: :___ **N/A** __

I. Construction Activities

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

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): **Mario R. Jorge, P.E.** Title: **District Engineer**

Signature: _____ Date: 2/8/18

Name of MS4: **Texas Department of Transportation San Antonio District**

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).

CSJ	CONTRACTOR	COUNTY	HWY	LET DATE	PRE-CONSTRUCT. MEETING
0072-07-068	RELMCO	Kerr	IH-10	06/07/2016	09/13/2016
0073-08-188	Angel Brothers	Bexar	US 281	07/07/2016	09/13/2016
0024-08-133	Encino Landscape	Bexar	US 90	07/08/2016	09/20/2016
1728-02-059	Curran Contracting	Comal	FM 306	07/08/2016	09/29/2016
2452-01-056	Zachry Construction	Bexar	Loop 1604	06/08/2016	10/07/2016
0025-02-198	Texas Sterling	Bexar	IH-10	06/08/2016	10/13/2016
2452-01-059	Webber	Bexar	Loop 1604	08/09/2016	10/18/2016
0036-07-033	Allen Keller Company	Uvalde	US 83	09/09/2016	10/21/2016
0215-06-037	Hunter Industries	Kendall	SH 46	08/09/2016	11/01/2016
0025-02-210	J3 Company	Bexar	IH-10	08/25/2016	11/08/2016
0143-05-032	Angel Brothers	Wilson	US 87	09/08/2016	11/10/2016

TxDOT San Antonio District
Permanent Structural Controls

Bexar County

Various locations – vegetative filter strips (VFS)

SH 16 (at FM 1560 in Helotes) – 3 grass swales (GS)

IH 10 (from 0.2 miles north of LP 1604 to 1.5 miles N of LP 1604) – 10 hazmat traps
IH 10 at Dominion – (S of Boerne Stage Rd to N of Milsa Rd) – 1 VFS and 12 GS
IH 10 at Camp Bullis (N of Milsa Rd to S of Old Camp) – 8 Aqualogic basins, 7 hazmat traps
IH 10 (from Lp 1604 S to RZ/TZ boundary) – 2 Aqualogic basins, 6 hazmat traps
IH 10 at Leon Creek – hazmat trap

IH 410 at US 281 – large detention basin
IH 410 at San Pedro – large 3-chambered detention basin
IH 410 at Ingram Road – grass swale
IH 410 at Salado and Quail Creeks – hazmat traps, detention basin, grass swale
IH 410 at Zarzamora Creek – detention basin

US 281 (Bitters to LP 1604) – 3 Aqualogic water quality ponds/hazmat traps
US 281 at Mud Creek and Long Hollow tributaries – hazmat traps

LP 1604 (Bitters to Redland Road) – vegetative filter strips, grass swales (GS)
LP 1604 – hazmat traps
LP 1604 (FM 1535 to Bitters) – sand filter basin
LP 1604 at Salado Creek – Aqualogic detention pond
LP 1604 (0.3 mi E of US 281 to Mud Creek) – sedimentation pond, hazmat basin

FM 1535 (from RZ/TZ boundary N to 0.2 mile N of Huebner Rd – 9 Aqualogic basins
FM 2696 at Panther Springs Creek – Aqualogic small 2-chambered detention basin
FM 2696 at LP 1604 – Aqualogic 2-chambered detention basin
FM 2696 (from 0.2 miles N of Lp 1604 to RZ boundary - 2 sedimentation/cartridge filter basins (707 ft sq sed basin-8 filters filtration basin and 1758 ft sq basin- 15 filter basin)
FM 2696 (Glade Crossing to W. Oak Estates) – grass swales (GS)

Wurzbach Parkway (1500 ft east of Wetmore Road) – sedimentation basin
Wurzbach Parkway (300 ft east of Nacogdoches Road) – 2 sedimentation basins
Wurzbach Parkway (1700 ft east of FM 2252) – two sedimentation basins
Wurzbach Parkway (near Thousand Oaks), Beitel Creek – sedimentation basin
Wurzbach Parkway (near Weidner Road), Beitel Creek tributary – sedimentation basin

FM 3487 at Culebra Creek – grass swale (GS)
SH 151 – detention basin
Spur 98 at Guadalupe River – hazmat traps
Crestway Drive at Martinez Creek – water quality basin
Miller Road at tributary to Salitrillo Creek – water quality basin

Tezel Road – Stormceptors

Comal County

Various locations – vegetative filter strips (VFS)
N. Walnut Avenue (Kerlick Lane to Landa Drive) - StormFilter and detention basin
FM 306 – River Chase Way to Hunter Rd - vegetative filter strips (VFS), Jellyfish Filter
G Street at Guadalupe River – hazmat traps
Landa Street at Comal River – grass swale, eliminate deck runoff
Aqualogic Detention Basin #1, #2, #3, #4: Intersection of SH 46 and FM 2722
Aqualogic Detention Basin #5, #6: Near intersection of SH 46 and Oak Run Pkwy
Aqualogic Detention Basin #7: Intersection of SH 46 and Loop 337

Guadalupe County
IH 10 at Guadalupe River – hazmat traps
IH 35 at Guadalupe River – Stormceptors

Show

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Form 2448
(Rev. 09/15)
Page 1 of 5

Highway	Project Number	Project CCSJ	County	Area Office
IH 10	IM 404 (382)	0072-07-059	Bexar	Kerrville (Jacobs)

Project Personnel Completing CSGC (Joint Inspection)

TxDOT Representative	Contractor Representative
Print Name: Lloyd Mair	Print Name: DEREK REAL
Signature/Date: Lloyd Mair 8/23/16	Signature/Date: [signature] 8/23/2016

CSGC Inspection Period

From	Date of beginning initial construction activities, or Date of previous CSGC Inspection	To	Date of this CSGC Inspection
	March 2015		August 23, 2016

List Project Permits

CGP with NOI
NWP 14
NWP 3
Edwards Aquifer Contributing Zone Plan

National Environmental Policy Act (NEPA) Document

☐ Yes	☑ No		1. Have the project limits or scope changed? (If yes, complete question 2 and complete change order section)
☐ Yes	☐ No	N/A	2. Has coordination with Advance Planning & Development occurred to ensure NEPA compliance?

Storm Water Resources

☑ Yes	☐ No		3. Does the project require a Construction Site Notice (CSN)?
☑ Yes	☐ No	☐ N/A	4. Is the CSN posted in a publicly accessible location near where the construction activity is underway?
☐ Yes	☑ No	☐ N/A	5. Does the CSN contain all required information? End Date is expired
☑ Yes	☐ No		6. Does the project require a Notice of Intent (NOI)?
☑ Yes	☐ No	☐ N/A	7. Does the NOI contain all required information?
☑ Yes	☐ No	☐ N/A	8. Does the project have a Storm Water Pollution Prevention Plan (SWP3)?
☑ Yes	☐ No	☐ N/A	9. Is there a copy of the TCEQ Construction General Permit onsite or with the SWP3?
☑ Yes	☐ No	☐ N/A	10. Is there a copy of a Delegation of Authority Letter authorizing the signing of inspection reports in the SWP3 file?
☑ Yes	☐ No	☐ N/A	11. Is the SWP3 retained and available for inspection at the work site that generates the storm water? (If no, complete question 12)
			12. Where is it located?
☐ Yes	☐ No	☑ N/A	13. Is the SWP3 updated for any changes in design or project change orders?
☑ Yes	☐ No	☐ N/A	14. Are the SWP3 drawings updated for changes to Best Management Practices (BMPs)? (i.e. type, location and install/remove dates)
☐ Yes	☑ No	☐ N/A	15. Is the description of construction and waste materials stored on-site updated with the Contractor? Undocumented long-term soil SP
☑ Yes	☐ No	☐ N/A	16. Are the dates when major grading activities occur updated? Documented in the DWRs
☑ Yes	☐ No	☐ N/A	17. Are the dates when construction activities temporarily or permanently cease on a portion of the site updated?
☑ Yes	☐ No	☐ N/A	18. Have construction activities permanently cease, or temporarily cease and are not expected to resume for 14 or more days, on a disturbed portion of the site? (If yes, complete #19.)

need to be documented on SWP3 plans

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office
IH-10	IM 4104 (382)	0072-07-059	Bexar	Kerrville (Jacobs)

☑ Yes	☐ No	☐ N/A	19. Is the stabilization documented? (i.e. DWR's, methods, seeding rates, etc)
☑ Yes	☐ No	☐ N/A	20. Have erosion control and stabilization measures been initiated immediately, unless excepted by Part III.F.2(b)(iii) of the CGP (page 28)? Indicate the stabilization measure that have been initiated under these circumstances #19. (If yes, complete question 21)
☑ Yes	☐ No	☐ N/A	21. Is the stabilization documented? (i.e. DWR's, methods, seeding rates, etc)
☑ Yes	☐ No	☐ N/A	22. Are control measures installed in accordance with the SWP3?
☑ Yes	☐ No	☐ N/A	23. Are control measures properly selected?
☐ Yes	☑ No	☐ N/A	24. Are control measures performing? RFD & Clear Creek/Nicholl Creek washed out by recent rain event – being repaired this week.
☑ Yes	☐ No	☐ N/A	25. Are control measures properly maintained?
☑ Yes	☐ No	☐ N/A	26. Are on-site accumulations of sediment removed as soon as practicable to prevent off-site impacts? (i.e. sediment near off-site inlets, etc)
☑ Yes	☐ No	☐ N/A	27. Is sediment removed from control devices when design capacity is reduced by 50%?
☐ Yes	☑ No	☐ N/A	28. Are litter, construction debris, and construction chemicals exposed to wind or water erosion? (i.e. screening outfalls, picked up daily)
☐ Yes	☑ No	☐ N/A	29. Is a lidded dumpster on the project to dispose of litter, construction debris, etc.?
☑ Yes	☐ No	☐ N/A	30. Were velocity dissipation devices (i.e. rock filter dams, holding ponds, etc) placed at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to the water course? See #24
☑ Yes	☐ No	☐ N/A	31. Were the inspections performed per the contract/SWP3?
☑ Yes	☐ No	☐ N/A	32. Are deficiencies and nonconformance issues identified on the inspections being addressed before off-site discharge occurs?
☑ Yes	☐ No	☐ N/A	33. Are controls in place to minimize tracking of sediments by construction vehicles and equipment? Muff up bullrock at construction exits
☐ Yes	☐ No	☑ N/A	34. Has TxDOT approved PSLs on Right-of-Way?
☑ Yes	☐ No	☐ N/A	35. Are the contractor's on and off Right-of-Way PSLs shown on the SWP3 site plan? (If yes, complete question 36)
☑ Yes	☐ No	☐ N/A	36. Are the contractor's on and off Right-of-Way PSLs shown on the SWP3 site plan identified as contractor's PSL?
☑ Yes	☐ No		37. Is the contractor required to have a concrete washout area? (If yes, complete questions 38 - 39)
☐ Yes	☑ No		38. Is the concrete washout area shown on the SWP3 site plan? Mobile steel bin taken to each concrete location
☑ Yes	☐ No		39. Is the concrete washout area properly constructed and maintained?
☑ Yes	☐ No		40. Is the inspection cycle option for this project "At least every 14 calendar days and within 24 hours after 0.5 inches or more of rainfall"? (If yes, complete questions 41 - 42). Or ☑ 7 day inspection cycle is conducted (respond "NO" to questions 41 - 42).
☑ Yes	☐ No		41. Is there a rain gauge on the project? (Not required for projects with 7 day inspection.)
☑ Yes	☐ No		42. Are there records documenting rainfall amounts?
☑ Yes	☐ No	☐ N/A	43. Did the inspection summary report include the name of the inspector?
☑ Yes	☐ No	☐ N/A	44. Did the inspection summary report include the date(s) of the inspection?
☑ Yes	☐ No	☐ N/A	45. Did the inspection summary report include measures/area inspected?
☑ Yes	☐ No	☐ N/A	46. Did the inspection summary report include actions needed/taken as a result of the inspection?
☑ Yes	☐ No	☐ N/A	47. Did the inspection summary report include major observations? (i.e. locations of discharges of sediment or pollutants, BMPs that require maintenance, BMPS that failed to operate as designed or proved inadequate, BMPs are needed)
☑ Yes	☐ No	☐ N/A	48. Did the SWP3 include the inspector qualification document?
☐ Yes	☑ No		49. Is project located within a Municipal Separate Storm System (MS4)? (If yes, complete 50)
☐ Yes	☑ No		50. Have the MS4 operator(s) been notified?

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office
IH-10	IM4104(382)	0072-07-059	Bexar	Kerrville (Jacobs)

Jurisdictional Waters of the United States, including Wetlands			
☑ Yes	☐ No		51. Does the project require a USACE permit? (If yes, complete questions 52 - 58)
☑ Yes	☐ No		52. Are wetlands and waters of the US being protected in accordance with the authorization/permit and the PS&E?
☑ Yes	☐ No		53. Are the proper USACE permits maintained and accessible (e.g. Area Office)?
☐ Yes	☑ No		54. Is clearance of off Right-of-Way PSLs required by a special condition of TxDOT's USACE permit? (If yes, complete question 55)
☐ Yes	☐ No	☑ N/A	55. Has clearance of these PSLs been obtained?
☑ Yes	☐ No		56. Are the BMPs for protecting wetlands and water of the US working effectively?
☑ Yes	☐ No		57. Are construction activities meeting all USACE general permit conditions?
☑ Yes	☐ No		58. Are construction activities meeting all other USACE special permit conditions?
Navigable Waters			
☐ Yes	☑ No		59. Is a US Coast Guard Section 9 permit applicable? (If yes, complete questions 60 - 61)
☐ Yes	☐ No	N/A	60. Is the US Coast Guard Section 9 permit maintained and accessible (e.g. Area Office)?
☐ Yes	☐ No	N/A	61. Are construction activities meeting US Coast Guard Section 9 permit conditions?
☐ Yes	☑ No		62. Is a USACE Section 10 permit applicable? (If yes, complete questions 63 - 64)
☐ Yes	☐ No	N/A	63. Is the USACE Section 10 permit maintained and accessible (e.g. Area Office)?
☐ Yes	☐ No	N/A	64. Are construction activities meeting USACE Section 10 permit conditions?
Edwards Aquifer			
☑ Yes	☐ No		65. Does the project require an Edwards Aquifer Protection Plan? (If yes, complete questions 66 - 69)
☑ Yes	☐ No		66. Is a copy of the Water Pollution Abatement Plan (WPAP) kept on-site?
☑ Yes	☐ No		67. Is a copy of the Contributing Zone Plan kept on-site?
☑ Yes	☐ No		68. Are project requirements met for groundwater protection? (i.e. Item 103 Disposal of Wells, staging requirements from WPAP, etc)
☑ Yes	☐ No		69. Are construction activities meeting permit conditions?
International Boundary Water Commission (IBWC)			
☐ Yes	☑ No		70. Is an IBWC License applicable? (If yes, complete questions 71 - 72)
☐ Yes	☐ No	N/A	71. Is the IBWC maintained and accessible (e.g. Area Office)?
☐ Yes	☐ No	N/A	72. Are construction activities meeting IBWC License conditions?
Biological Resources			
☑ Yes	☐ No	☐ N/A	73. Is work compliant with the plans for protection of vegetation, including trees?
☑ Yes	☐ No	☐ N/A	74. Are migratory bird nesting requirements being followed?
☑ Yes	☐ No	☐ N/A	75. Is the work compliant with the plans and/or mitigation requirements for protection of threatened or endangered species/habitats?
Noise			
☐ Yes	☑ No		76. Are there any proposed noise impacts? (If yes, complete question 77)
☐ Yes	☐ No	N/A	77. Is the work being performed in accordance with the noise mitigation plan?
Air Quality			
☑ Yes	☐ No	☐ N/A	78. Are controls being practiced and are they effective for minimizing dust?

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office
IH-10	IM 4104 (382)	0072-07-059	Bexar	Kerrville (Jacobs)

☐ Yes	☐ No	☑ N/A	79. Were the procedures for the Texas Emission Reduction Plan or other incentive measures met and documented? (i.e. contractor is using highest tier level equipment and best fuel grade)
☑ Yes	☐ No	☐ N/A	80. Are measures being taken for reducing idling of equipment and vehicles?
Cultural Resources			
☐ Yes	☐ No	☑ N/A	81. Are known historical and archeological properties being protected and preserved in accordance with the plans?
☐ Yes	☑ No		82. Have historical and archeological properties been encountered during construction? (If yes, complete questions 83 - 84)
☐ Yes	☐ No	N/A	83. Were the historical and archeological properties protected?
☐ Yes	☐ No	N/A	84. Were the TxDOT Emergency Discovery Guidelines followed?
DSHS Notification			
☑ Yes	☐ No		85. Is DSHS notification(s) required? (if yes, complete questions 86 - 88)
☐ Yes	☑ No		86. Has DSHS notification(s) been mailed? No records of DSHS notification have been found
☐ Yes	☐ No	N/A	87. Was the DSHS notification(s) postmarked at least 10 working days prior to initiating demolition or renovation? (See #86 Comment)
☐ Yes	☐ No	N/A	88. Were there any amendments to the DSHS notification(s)? (See #86 Comment)
Hazardous Materials			
☐ Yes	☑ No	☐ N/A	89. Are hazardous materials mitigation and abatement procedures being followed?
☐ Yes	☑ No		90. Have unknown hazardous materials been encountered during construction? (If yes, complete questions 91 - 92)
☐ Yes	☐ No	N/A	91. Have the proper TxDOT and agency contacts been made and documented?
☐ Yes	☐ No	N/A	92. Has mitigation or abatement been addressed?
☐ Yes	☑ No		93. Do the project plans include a soil and/or groundwater management plan? (If yes, complete question 95)
☐ Yes	☐ No	N/A	94. Is the abatement/mitigation plan being adhered to?
☐ Yes	☑ No		95. Has a spill of less than reportable quantity occurred? (If yes, complete question 96)
☐ Yes	☐ No	N/A	96. Were Spill Response Plan procedures followed for reporting and cleanup?
☐ Yes	☑ No		97. Has a spill of reportable quantity occurred? (If yes, complete question 98)
☐ Yes	☐ No	N/A	98. Were Spill Response Plan procedures followed for reporting and cleanup?
Change Orders			
☐ Yes	☑ No		99. Are there change orders being processed per the "Construction Contract Administration Manual" (Chapter 7, Section 1) that may have environmental impacts on this project?
☐ Yes	☐ No	N/A	100. Are change orders assessed for NEPA re-evaluation and/or resource agency coordination?
☐ Yes	☐ No	N/A	101. Do the change orders require environmental mitigation, abatement, or clearance actions? (If yes, complete question 102)
☐ Yes	☐ No	N/A	102. Have environmental mitigation, abatement, or clearance actions occurred?

Environmental Management System
Construction Stage Gate Checklist (CSGC)

Highway	Project Number	Project CCSJ	County	Area Office
IH-10	IM 4104 (382)	0072-07-059	Bexar	Kerrville (Jacobs)

SUMMARY OF PROJECT INSPECTION

Reference Item Number	Finding	Person Responsible For Corrective Action (Print Name)	Date Corrective Action Expected To Be Completed	Date Corrective Action Completed	TxDOT Representative Verifying Completed Corrective Action
5	Large Construction Site Notice on bulletin board has an expired End Date. Update CSN to the revised End Date.	Lloyd Mair - Jacobs Construction	08/30/16	8/31/16	Print Name: Lloyd Mair Signature: Lloyd Mair
15	Large soil stockpiles stored for extended periods of time in the ROW need to be noted on SWP3 plans.	Lloyd Mair - Jacobs Construction	08/30/16	8/30/16	Print Name: Lloyd Mair Signature: Lloyd Mair
24	Replace washed-out rock filter dams at Leon Creek and Nichols Creek from recent rain event.	Derek Real - Texas Sterling	09/02/16	8/30/16	Print Name: Lloyd Mair Signature: Lloyd Mair
33	Fluff up bull rock in all construction exits	Derek Real - Texas Sterling	09/02/16	9/1/16	Print Name: Lloyd Mair Signature: Lloyd Mair

Comments

Ref. Item Number 85 - 88 -
Texas Dept. of State Health Services (DSHS) notification(s) were not found for the demolitions of the eastbound and westbound frontage road bridges over Leon Creek at the Boerne Stage Road crossing, which reportedly occurred in phases starting on the following dates: 8/26/15 (EBFR phase 2, Left side); 3/15/16 EBFR phase 3, Right side); 3/31/16 (WBFR phase 2, Right side); and 7/26/16 (WBFR phase 3, Left side).

Asbestos and lead paint surveys of the bridges had been conducted by TXDOT during the planning stages of the project, and neither asbestos nor lead were identified. Despite the absence of these materials, a pre-demolition notification must be submitted to DSHS 20 calendar days prior to the demolition of the bridges on the project, as required in Section VI in the EPIC sheet of the project plans. A failure to notify DSHS for all demolition projects may potentially result in a fine.

Reviewer (Optional)

Print Name: David Young	Signature:	Title: DEQC	Date of Review: 08/23/16

Tyler District

Texas Department of Transportation



Texas Department of Transportation –Tyler District

Annual Report
TPDES Phase II MS4 General Permit No. TXR040170

Including 2010 Census Urbanized Area

Reporting Period: August 13, 2016 – November 30, 2016 (Year 10)

Permit No.: TXR040170 / TxDOT Tyler District

Phase II (Small) MS4 Annual Report Form
TPDES General Permit No. TXR040000

A. General Information

1. Permit No. _____TXR040170_Annual Report Period: August 13, 2015 – August 12, 2016

Name of MS4 / Permittee: Texas Department of Transportation – Tyler District

Contact Name: Jay Tullos_Telephone Number: 903-510-9153

Mailing Address: 2709 West Front Street, Tyler TX 75702-7712

E-mail Address: _jay.tullos@txdot.gov_____

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes ____X__ No

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

Name and Explanation: ___NA____

Name and Explanation: ___NA____

Name and Explanation: ___NA____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X_____ No

If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

Permit Number: ___NA_____ Permittee: _____NA_____

Permit Number: ___NA_____ Permittee: _____NA_____

Permit Number: ___NA_____ Permittee: _____NA_____

Permit Number: ___NA_____ Permittee: _____NA_____

4. Is this a system-wide annual report including information for all permittees? _____ Yes ____X___ No

Explanation, if any _____NA_____

5. Has a copy of this annual report been submitted to the TCEQ Regional Office?
___X____ Yes _____ No

B. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. 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

b. If Yes to the above, has the TCEQ already approved the original SWMP?
_____ Yes _____ No

___NA__

c. If Yes to the above, indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.)
_____ Yes _____ No
___NA____

2. The MS4 has annexed lands since obtaining permit coverage.
_____ Yes ____X___ No

3. A receiving water body is newly listed as impaired or a TMDL has been established.
_____ Yes ____X___ No

4. The MS4 has conducted analytical monitoring of storm water quality.
_____ Yes _____X__ No

Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

_____NA_____

C. Narrative Provisions.

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	**X**		As described in the SWMP and this annual report , the Tyler District is in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	**X**		This report brings us current with the reporting requirements. Supporting records can be inspected at the address indicated on the NOI.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	**X**		We meet the eligibility requirements described in Part II.C. of the General Permit, including those requirements pertaining to TMDLs, Edwards Aquifer, and compliance history.

2. Provide a general assessment of the appropriateness of the selected BMPs:

Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water?
_____ Yes ___X___ No

Provide explanation:
_____NA____

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

Or, provide explanation below:

While we do not have analytical data that demonstrates a measurable pollutant reduction, progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) can be quantified in terms of BMP implementation and progress towards meeting our

measurable goals. This is consistent with 40 CFR §122.34, which states "Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the 'maximum extent practicable.'" Even though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that said litter will pollute storm water, resulting in a clear, although not quantified, pollutant reduction.

The progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) for the district can be measured by implementing the following BMPs:

MCM 1 - Public Outreach and Education

Texas Department of Transportation – Tyler District was compliant with the permit conditions for this minimum control measure. Three Best Management Practices (BMPs) were selected and developed. The BMPs will be implemented following the timelines in the SWMP. The plan for this measure is as follows:

At least one of the following BMP's will be implemented each permit year.

A. Public Service Announcements: Distribution of public service announcements (PSAs) that focus on the impacts of storm water runoff to local water bodies and steps the public can take to reduce storm water pollution.

B. Impacts of Illegal Dumping and Littering: Distribute public education materials that focus on the impacts of illegal dumping and littering.

C. Education of Construction Site Personnel: Distribution of guidance materials to construction site personnel on the proper installation and maintenance of erosion and sediment controls, and other construction site runoff issues.

BMP Measurable Goals & Record Keeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
Public Service Announcements	Contact at least one local TV or radio station and provide a copy of a Public Service Address Announcement (PSA) provided by ENV or the District.	Report on how many PSAs were made available to local media for broadcast per year. (years 1,2,3,4,5)
Impacts of illegal Dumping and Littering	Educational materials made available if public	Report on estimated volume of educational

(Visitors, Public Service Employees, Construction Site Personnel)	meetings are held within the District	materials distributed at public meetings (years 2,3,4,5)
Education of Construction Site Personnel	Estimated quantities of educational materials or TxDOT guidance documents distributed	Report on guidance Made available to construction site personnel at least 1 guidance on construction site runoff issues each year (years 1,2,3,4,5)

1.D. BMP Implementation Schedule & Responsible Party

BMP	Responsible Party
Public Service Announcements (PSAs)	District Public Information Officer
Impacts of Illegal Dumping and Littering	Public Information Office
Education of Construction Site Personnel	Construction

BMP – Public Service Announcements

The plan for this BMP was finalized in January, 2008. The plan was implemented beginning the first year of the permit term.

The selected BMP is to provide Public Service Announcements and was evaluated and determined to be an appropriate BMP for reaching area users of the MS4 because of the potential to reach a large group of the population.

The measurable goals to be reported are the number of Public Service Announcements distributed to local media for broadcast per year.

Public Service Announcement advertising TxDOT's "Don't Mess With Texas" continued to be advertised via website http://www.dontmesswithtexas.org/ and posted on Facebook during the reporting period. This was also made locally available to media to air at their discretion.

BMP – Impacts of Illegal Dumping and Littering

The plan for this BMP was finalized in January 2008. The plan will be implemented in the second year of the permit term.

The selected BMP is to provide educational materials to the public regarding the impacts of illegal dumping. It was evaluated and determined to be an appropriate BMP for reaching area users of the Municipal Separate Storm Sewer System (MS4).

The measurable goals to be reported are the estimated volume of educational materials distributed to the public during the reporting period.

Brochures entitled “It’s a Fact” concerning stormwater runoff and wildflower seed packets titled “Wildflowers: A Natural Water Filter” were distributed to the TxDOT Tyler District Office Lobby A total of 10 brochures and 0 seed packets were distributed to the Tyler District Office Lobby.

BMP – Education of Construction Site Personnel

The plan for this BMP was finalized in January, 2008. The plan was implemented beginning the first year of the permit term.

The selected BMP is to provide Education of Construction Site Personnel and was evaluated and determined to be an appropriate BMP for reaching area personnel in the construction arena.

The measurable goals to be reported are the guidance made available to construction site personnel on construction site runoff during the reporting period.

Guidance to Construction site Personnel was given for 2 project within the Tyler Phase II area and 1 projects within the Longview Phase II area at preconstruction meetings during the reporting period through review of associated stormwater plans during pre-construction meetings.

MCM 2 - Public Involvement and Participation

Texas Department of Transportation – Tyler District was compliant with the permit conditions for this minimum control measure. One BMP was selected and developed. The BMP will be implemented following the timelines in the SWMP. The plan for this measure is as follows:

BMP Measurable Goal & Record Keeping

BMP	Records to be Maintained in Annual Reports	Measurable Goals
Adopt-A-Highway Program	The number of highway sections under adoption in and affecting the MS4 and number of times litter is collected from each Adopt-A-Highway segment and advertise availability of sections for adoption	Record number of Highway sections under adoption within or affecting the MS4 and record number of times litter is collected from each segment and number available for adoption (years 1, 2, 3, 4, 5)

2.D. BMP Implementation Schedule & Responsible Party

BMP	Responsible Party
Adopt-A-Highway Program	Adopt-A-Highway Coordinator

BMP – Adopt-A-Highway Program

The plan for this BMP was finalized in January, 2008. The plan was implemented beginning the first year of the permit term.

The plan is to allow the public to participate actively in litter control within the MS4. This BMP was evaluated and determined to be an appropriate BMP for reaching area users of the MS4.

The measurable goals to be reported are the number of highway sections under adoption within or affecting the MS4 and the number of times litter is collected from each segment and number available for adoption per reporting period.

The following table indicates the status of the Adopt-A-Highway Program for the reporting period:

PHASE II AREA	NO. HWY SEGMENTS ADOPTED	NO. TIMES PER YR. LITTER COLLECTED PER SEGMENT	NO. HWY SEGMENTS AVAILABLE
TYLER PHASE II	65	4 (Minimum)	54
TYLER LONGVIEW PHASE II	34	4 (Minimum)	29

MCM 3 - Illicit Discharge and Detection Elimination

Texas Department of Transportation – Tyler was compliant with the permit conditions for this minimum control measure. Two BMPs were selected and developed. The BMPs will be implemented following the timelines in the SWMP. The plan for this measure is as follows:

As required by the permit, each BMP contains a detailed implementation schedule and measurable goals. Each BMP includes a description of what records will be maintained and reported in the annual reports.

A. Develop and Maintain the MS4 Outfall Inventory Map: Develop and maintain a map of the MS4 indicating the location of storm water discharge outfalls and waters of the U.S. The source for the mapping will be the Outfall Tracking System (OTS).

B. MS4 Outfall Screening (Dry Weather Screening): Conduct dry weather screening of

all outfalls in the MS4 (once per permit term) in order to identify the presence of illicit discharges to the MS4.

BMP Measurable Goals & Record Keeping

BMP	Records to be Maintained in Annual Reports	Measurable Goals
Develop and Maintain the MS4 Outfall Inventory Map	Identify outfalls within the MS4 Phase II area. Alternatively, identify, map, and update on a schedule such that every outfall is mapped in OTS by the end of the 5-year implementation period.	Provide a list of outfalls inventoried (years 1, 2, 3, 4, and 5)
MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Outfall screening and investigations for each outfall	Screen outfalls once per permit term and update outfall inventory list. Include results in annual report. (years 2,3,4,5)

3.D. BMP Implementation Schedule & Responsible Party

BMP	Responsible Party
Develop and Maintain the MS4 Outfall Inventory Map	District Environmental Coordinator
MS4 Outfall Screening (Dry Weather Screening of Outfalls)	District Environmental Coordinator

BMP – Develop and maintain the MS4 Outfall Inventory Map

The plan for this BMP was finalized in January 2008. The plan will be implemented in the first year of the permit term.

The selected BMP is to identify outfalls within the MS4 Phase II area. Alternatively, identify, map, and update on a schedule such that every outfall is mapped in OTS by the end of the 5-year implementation period.

The measurable goals are to provide a list of outfalls inventoried.

No new outfalls were mapped during this reporting period because no new outfalls have been constructed that have not already been mapped during the permit term.

BMP – MS4 Outfall Screening (Dry weather screening of Outfalls)

The plan for this BMP was finalized in January 2008. The plan will be implemented in the second year of the permit term.

The selected BMP will include outfall screening and investigations for each outfall.

The measurable goals are to screen outfalls once per permit term and update the outfall inventory list. Results are included in annual report.

No outfalls were screened during this reporting period as the screening of all outfalls in the Longview Phase II area and the Tyler Phase II area was concluded (screen all outfalls once per permit term) in the year 5 reporting period.

MCM 4 – Construction Site Runoff

Texas Department of Transportation – Tyler was compliant with the permit conditions for this minimum control measure. Two BMPs were selected and developed. The BMPs will be implemented following the timelines in the SWMP. The plan for this measure is as follows:

A. Construction SWP3 Review and Permit Compliance: Implement a construction SWP3 review and compliance program that focuses on compliance with the TCEQ Construction General Permit.

B. Construction Site Inspection: Conduct inspections of TxDOT construction site and related SWP3s for compliance with the TCEQ Construction General Permit.

BMP Measurable Goals & Record Keeping

BMP	Records to be Maintained in Annual Reports	Measurable Goals
Compliance with the CGP	Develop plan to comply with, and require its contractors to comply with the CGP	Record number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects with the boundaries of the MS4. (years 1,2,3,4,5)
Construction Site Inspection	The number of TxDOT construction sites active and subject to the TCEQ Construction General Permit.	Conduct inspections according to the TCEQ General Construction Permit (years 1, 2,3,4,5)

4.D. BMP Implementation Schedule & Responsible Party

BMP	Responsible Party
Compliance with CGP Compliance	Construction
Construction Site Inspection	District Construction Office and Area Office

BMP – Compliance with the Construction General Permit (CGP)

The plan for this BMP was finalized in January, 2008. The plan was implemented beginning the first year of the permit term.

The selected BMP is to develop a plan to comply with, and require contractors to comply with the CGP.

The measurable goals are to record the number of CGP Notice of Intent (NOI's) for large projects, and Construction Site Notice (CSN's) for small projects, required to authorize Texas Department of Transportation (TxDOT) construction projects within the boundaries of the MS4.

The following table indicates the number of CGP NOIs and CSNs that were filed within the Tyler and Longview Phase II areas during the reporting period:

	No. CGP NOI's	No. CSN's
TYLER PHASE II	0	3
TYLER LONGVIEW PHASE II	0	0

BMP – Construction Site Inspection

The plan for this BMP was finalized in January, 2008. The plan was implemented beginning the first year of the permit term.

The selected BMP is to inspect construction sites active and subject to the TCEQ Construction General Permit within the Tyler and Longview Phase II areas.

The measurable goals are to conduct inspections according to the TCEQ General Construction Permit.

Active construction sites within the Tyler and Longview Phase II areas have been inspected during the reporting period per TxDOT standard operating procedures regarding SW3P inspections.

MCM 5 - Post Construction Site Runoff

Texas Department of Transportation – Tyler was compliant with the permit conditions for this minimum control measure. One BMP was selected and developed. The BMP will be implemented following the timelines in the SWMP. The plan for this measure is as follows:

A. Systematic Inspection and Maintenance of Permanent Control Measures: Document current maintenance procedures and establish new ones as necessary for permanent storm water quality control structures.

BMP Measurable Goals & Record Keeping

BMP	Records to be Maintained in Annual Reports	Measurable Goals
Maintenance of Permanent Control Measures	Documentation of maintenance activities performed. (mowing, repair of erosion features, etc.)	Conduct at least 1 inspection of control measures within MS4 per year (years 1, 2,3,4,5)

5.D. BMP Implementation Schedule & Responsible Party

BMP	Responsible Party
Systematic Inspection and Maintenance of Permanent Control Measures	Maintenance

BMP – Maintenance of Permanent Control Measures

The plan for this BMP was finalized in January, 2008. The plan was implemented beginning the first year of the permit term.

The selected BMP is to provide for maintenance of permanent control measures and was evaluated and determined to be an appropriate BMP for the MS4.

The measurable goals to be reported are to conduct at least 1 inspection of control measures within the MS4 per year.

Highway rights of way within the Tyler and Longview Phase II areas have been maintained through mowing on two cycles during the reporting period.

MCM 6 - Good Housekeeping / Pollution Prevention

Texas Department of Transportation – Tyler was compliant with the permit conditions for this minimum control measure. Four BMPs were selected and developed. The BMPs will be implemented following the timelines in the SWMP. The plan for this measure is as follows:

BMP Measurable Goals & Record Keeping

BMP	Records to be Maintained in Annual Reports	Measurable Goals
Facility Inspections	Ensure inspections are completed once per permit term. An example includes but	Implementation of BMP will begin in Permit Implementation Year 2. Provide a description of

		is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	the inspection report (i.e. Facility Operations Environmental Advisory Survey Report) in year(s) when facility inspections were performed.
	Inspection of structural controls	Inspect structural controls at least per year. Determine the need for maintenance, repair, or replacement and schedule follow-up actions as is necessary	Implementation of BMP will begin in Permit Implementation year 2. Provide a summary of inspections in MS4 in year(s) when inspections were performed.
	Employee Training	TxDOT employees will attend at least one training class per permit term.	Implementation of BMP will begin in Permit Implementation Year 2. Provide a list of training courses and date class was administered in year(s) when training was conducted.
	Disposal of Waste	Collect litter and debris on high volume roadways by collecting and/or street sweeping	Record the volume, weight, number of streets, or other measure to document the amount of street sweeping and/or litter pickup in the MS4 (years 1,2,3,4,5).

6.D. BMP Implementation Schedule & Responsible Party

BMP	Responsible Party
Facility inspections	District Maintenance/Safety Officer
Inspection of structural controls	Maintenance
Employee Training	District Training Coordinator
Disposal of Waste	Maintenance / Area Office

BMP – Facility Inspections

The plan for this BMP was finalized in January, 2008. The plan will be implemented beginning the second year of the permit term.

The selected BMP is to ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit term.

The measurable goal to be reported is to provide a description of the inspection report in year(s) when inspections were performed.

The Tyler and Longview TxDOT Area offices within the Tyler and Longview Phase II areas

Conduct monthly Tank, Valve and Pipe Inspections for the fuel and asphalt storage tanks present at these facilities. These inspections focus on the tanks, tank foundations, piping/valves and containment areas. The purpose of the inspection is to report and remedy any potential equipment or containment issues before problems occur. Inspections for these monthly reports have continued through this reporting period.

BMP – Inspection of Structural Controls

The plan for this BMP was finalized in January, 2008. The plan will be implemented beginning the second year of the permit term.

The selected BMP is to inspect structural controls at least once per year. Determine the need for maintenance, repair, or replacement and schedule follow-up actions as is necessary.

The measurable goal to be reported is to provide a summary of inspections in MS4 in year(s) when inspections were performed.

Through routine inspection of structural controls in the Tyler and Longview Phase II areas, it was determined that storm water drain repairs at 3 locations in the Tyler MS4 area. No drainage structure was required repair during the reporting period in the Longview MS4 area.

BMP – Employee Training

The plan for this BMP was finalized in January, 2008. The plan will be implemented beginning the second year of the permit term.

The selected BMP is to ensure that TxDOT employees will attend at least one training class per permit term.

The measurable goal to be reported is to provide a list of training courses and date(s) when class was administered in year(s) when training was conducted.
The following list of training courses were developed concerning employee training during the permit term. These courses are outlined within the Tyler district SWMP:

Hazardous Materials: Prepare employees to safely load, unload, handle, store and transport hazardous materials and how to respond to accidents or incidents when transporting hazardous materials. Upon completion of this course, participants will be able to: explain the purpose of hazardous materials regulations; recognize the various methods to communicate hazard communication; explain the entries on a shipping paper or manifest and; determine placards required for shipment. This course is offered to all TxDOT employees.

Hazardous Communication: This course covers the Texas Hazard Communication Act. It provides comprehensive instruction in hazard communication. Upon completion of this course, participants will be able to: locate specific hazardous chemicals; properly use personal protective equipment for specific hazardous chemicals; and interpret labels and material safety data sheets. This course is offered to all TxDOT district employees.

Small Quantity Spill Response: This course provides the necessary training and information to safely respond to small spills of toxic materials which may occur in TxDOT laboratories or workplace situations. This course is offered to maintenance and construction personnel.

Herbicide Certification: The current Agriculture Code requires TxDOT employees to possess a valid, non-commercial, pesticide applicator's license prior to applying herbicide on the transportation system right-of-way, or on the grounds of any TxDOT building. The training prepares TxDOT employees to test for a non-commercial pesticide applicator's license from the Texas Department of Agriculture (TDA) and introduces TxDOT employees to TxDOTs herbicide program. This course is offered to maintenance personnel.

Storm Water Erosion: The course includes storm water design techniques, construction installation and inspection/maintenance practices needed by our design and construction staff and environmental coordinators. The course emphasizes erosion and sediment control practices for disturbed areas during construction. Construction Inspectors, Design Division and Design Engineers are required to take this course.

Environmental Management System (EMS) Training: TxDOT has established a statewide EMS during the permit term to ensure environmental compliance for roadway projects. Numerous courses are held to train TxDOT personnel on the various aspects environmental compliance at different stages of project development with emphasis on stormwater management.

Numerous courses from this list were held during the reporting period for the Tyler and Longview Phase II areas.

1. **ENV 405 FIELD ENV EMERGENCY COMPLIANCE – 1 Attendee**
2. **ENV 414 ENVIRONMENTAL MANAGEMENT SYSTEM – 6 Attendees**
3. **ENV 432 CGP COMPLIANCE ENFORCEMENT – 5 Attendees**
4. **ENV 433 STORM WATER ENV DURING CONSTRUCTION – 8 Attendees**
5. **DES 435 USING AP&D STAGEGATE CHECKLIST – 5 Attendees**
6. **ENV 457 404 COMPLIANCE DURING CONSTRUCTION – 5 Attendees**
7. **CON 816 CONSTRUCTION STAGEGATE CHECKLIST – 1 Attendee**
8. **DES 907 USING PS&E STAGEGATE CHECKLIST 5 Attendees**
9. **DES 908 HOW TO CREATE AN EPIC SHEET – 6 Attendees**

10. **EL 1430 HAZMAT AWARENESS TRAINING – 12 Attendees**

11. **ENV 457 404 COMPLIANCE DURING CONSTRUCTION – 5 Attendees**

12. **SFH 420 HAZARDOUS MATERIALS COMMUNICATION – 2 Attendees**

13. **SFH 421 HAZARDOUS MATERIALS COMMUNICATION REFRESHER – 8 Attendees**

BMP – Disposal of Waste

The plan for this BMP was finalized in January, 2008. The plan will be implemented beginning the first year of the permit term.

The selected BMP is to collect litter and debris on high volume roadways by collecting and / or street sweeping.

The measurable goal to be reported is to record the volume, weight, number of streets, or other measure to document the amount of street sweeping and / or litter pickup in the MS4.

The Tyler Phase II area removed approximately 160 cubic yards of street sweeping debris during the reporting period and the Longview Phase II area removed approximately 20 cubic yards of street sweeping debris during the reporting period.

Effectiveness of Measurable Goals for BMP's

Measurable Goals are being met as intended per the SWMP.

Public and Private Entities Assisting with the Development or Implementation of the SWMP

Public – TxDOT Tyler District and TxDOT Environmental Affairs Division

Private – None

MS4 Operators contributing to the Development and Implementation of the SWMP

TxDOT Tyler District

Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

The program seems to be progressing well to this point. Potential obstacles could include budget cuts that may limit future public information materials distribution such as pamphlets, brochures, book covers, etc.

Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated via notices of intent or site notices:

We received 0 NOI and 0 Construction Site Notices that were non-TxDOT that occurred within the Tyler MS4 during the reporting period.

Does the permittee utilize the 7th MCM related to construction?
_____ Yes ____X___ No

If Yes, then provide the following information:

a. The number of municipal construction activities authorized under this general permit:
N/A_____

b. The total number of acres disturbed for municipal construction projects:
N/A_____

Though the 7th MCM is optional, this must be requested on the NOI or on a NOC and approved by the TCEQ.

Requirements for Specific Minimum Controls Measures (MCMs):

a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM. (See Attachment A)

b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.).

Public Service Announcement advertising TxDOT's "Don't Mess With Texas" continued to be advertised via website http://www.dontmesswithtexas.org/ and posted on Facebook during the reporting period. Copies of these Public Service Announcements are in Attachment A. Brochures entitled "It's a Fact" concerning stormwater runoff and wildflower seed packets titled "Wildflowers: A Natural Water Filter" were distributed to the TxDOT Tyler District Office Lobby. A total of 15 brochures and 10 seed packets were distributed to the Tyler District Office. Copies of the brochures and seed packets are in Attachment B.

c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

Not applicable; we utilize the list in the permit.

Describe any proposed changes to the SWMP in the coming reporting year.

__Dependent upon the issuance of the new permit in 2016-2017

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

__Dependent upon the issuance of the new permit in 2016-2017

Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)* Please see table under "BMP Measurable Goals & Record Keeping" for each MCM listed above in this report. This is also detailed in the approved SWMP.

Waco District

Table 1 shows the estimates for the 3 month reporting period in the beginning of Fiscal Year 2016 budget allocation for Texas Department of Transportation (Waco District) Storm Water Management Program in the City of Waco.

Table 1		
Funding Category	**Approximate Total Funds Per Category August 2016 to Nov 2016**	
Litter: Removal and disposal of litter from right-of-way	$25,500	
Street Sweeping: Routine street sweeping	$23,800	
Spot Litter: Patrolling, removal, and disposal of litter or debris on the roadway or right-of-way	$10,200	
Adopt-A-Highway: Installation of posts and signs, materials furnished to groups, and the personnel and equipment used to assist in removal and disposal of collected litter.	$1,530	
Chemical Vegetation Control Edges: Control of vegetation growth along pavement edges, curbs, shoulders, or islands with chemicals	$10,200	
Tree and Brush Control: The trimming, pruning, and disposal of shrubs, vines, and trees	$8,500	
Ditch Maintenance: Removal and hauling of silt, and/or filling eroded areas	$8,500	
Culvert and Storm Drain Maintenance: The repair and maintenance of culverts (up to bridge classification). This work includes silt and debris removal, inlet or storm drain cleaning, and other maintenance items related to culverts and storm drains.	$17,000	
Channel Maintenance: Removing of silt and drift, filling eroded areas, maintenance and repairs of, dikes, riprap, and channel maintenance	$8,500	
TOTAL	$113,730	

Texas Pollution Discharge Elimination System
Municipal Separate Storm Sewer System (MS4)

TPDES PERMIT NO. WQ0004774000

2015 – 16 ANNUAL REPORT

(Reporting Period August 1, 2015 thru July 31, 2016)

Stormwater Compliance
City of Waco
P.O. Box 2570
Waco, Texas 76702

TXDOT Waco - District
100 South Loop Drive
Waco, Texas 76704

Introduction

Texas Pollutant Discharge Elimination System (TPDES) permit WQ0004774000 was issued by the Texas Commission on Environmental Quality (TCEQ) August 1, 2008, superseding and replacing National Pollutant Discharge Elimination System (NPDES) permit TXS002001, issued October 20, 2000 by the United States Environmental Protection Agency (USEPA). This annual report for the period from August 1, 2015 to July 31, 2016 is submitted to fulfill the TPDES permit requirement issued to the City of Waco and the Texas Department of Transportation Waco District. This report will utilize the format outlined in the draft permit Part IV C.

The City of Waco includes portions of four major, regional watersheds, all within the Brazos River Basin. Three of these watersheds, the North Bosque River, the Middle Bosque River, and the South Bosque River all converge into the City's primary water supply reservoir – Waco Lake. Waco Lake is a U.S. Army Corps of Engineers reservoir which is intended to provide flood control to the Waco area as well as boating, fishing, recreation, and our water supply.

The remaining areas of Waco drain into the Brazos River, as does the discharge from the Waco Lake Dam. The Brazos River has a labyrinth weir dam within Waco's city limits which forms Lake Brazos. Lake Brazos is a viable water supply source although it is currently not being used as such. It is, however, being used as a major source for water sports, fishing, and recreation, and is a key component to the economic viability of Waco's core Central Business District as well as to the growth and sustainability of Baylor University.

Therefore, since the entire area of the City of Waco lies wholly within these key, critical watersheds, comprehensive planning for the future should include:

- The quality of water for drinking water supplies.
- The quality of water for recreational use of the rivers and lakes.
- Public safety and the reduction of flood damage, including loss of human life and property damage.

Contributing to these four rivers which create these two reservoirs are 15 major creeks comprising over 53 miles of waterways all within the city limits! Through sound planning and keen vision these creeks and streams can provide natural networks to not only provide floodwater conveyance, but to provide connected corridors for trail systems for current and future users (pedestrians, cyclists, equestrians, etc.), greenways (greenbelts), and wastewater collection systems.

The City is currently updating their Stormwater Master Plan which will be the "roadmap" for future stormwater management planning. The goals for the Master Plan will need to include the following:

- Accurate establishment and mapping of the limits of the 100-year floodplains of the creeks and streams within the city limits, based upon urbanization as it exists today, as well as for future growth/urbanization.
- The review and updating of stormwater management regulations and design criteria in an effort to reduce the loss of human life caused by flooding; to reduce flood damage to property; and to reduce soil erosion.
- The assurance of adequacy and safety of existing drainage infrastructure including bridges, culverts, channels, and other facilities/structures.
- New policies, regulations, and ordinances to minimize pollutants and soil sediment transport in stormwater runoff from new and existing development.
- The exploration of regional approaches to stormwater management planning.
- Identification of local and regional flood mitigation projects to provide long-term, sustainable flood protection measures.
- Guidelines and recommendations for some type of stormwater fee structure in order to maintain and manage the existing drainage infrastructure as well as for the planning and construction of new capital improvements.

The City of Waco's Parks and Recreation Department, Public Works Department, Water Utilities Services, Stormwater Compliance, Fire Department, Police Department, Solid Waste Services, Keep Waco Beautiful, Waco-McLennan County Emergency Management, Waco-McLennan County Public Health District, the McLennan County Environmental Crimes officers , McLennan County On-Site Sewage Facility (OSSF) program, Fats, Oil and Grease program, Pretreatment program and other effected City departments oversee and perform various aspects of the Municipal Separate Storm Sewer System (MS4) permit requirements. Because numerous city and county entities work cooperatively in the MS4 program, the resources available are widespread, diverse, and can be significant. Continual education on permit requirements, reporting, and inter-departmental communication is emphasized by email and meetings to improve the MS4 Stormwater Program.

Signature and Certification: Attached

Revisions to the SWMP: The City of Waco Storm Water Management Plan (SWMP) was last updated and submitted to TCEQ April 22, 2014. In October, 2015, the City of Waco was authorized to engage Walker Partners of Waco for the most comprehensive stormwater drainage master plan in the city's history. The plan will include hydrologic and hydraulic modeling to identify flood-prone areas of the city and recommend projects to improve drainage. The City of Waco is developing a Stormwater Master Plan update in three phases. This will guide the city in developing a stronger stormwater management program to address current and future flooding and erosion concerns. Addressing those concerns should also address some stormwater quality concerns as well. Part of the planning is developing funding alternatives. The first phase involves data collection, field surveys, hydraulic analyses, and, most importantly, formation of a Stormwater Management alliance, which will aid the city in reaching those entities that contribute stormwater to the Brazos River and its tributaries as well as Lake Waco. See the workplan, attached. In addition, Waco's Comprehensive Plan states as a goal:

> *Adopt a stormwater utility fee to ensure that construction and maintenance costs are appropriately shared by the beneficiaries of stormwater infrastructure. Single-family residences are generally charged a flat fee. Owners of property other than single-family residences would pay a fee that is based on the amount of impermeable surface located on their property. Credits could be offered for approved on-site green stormwater infrastructure. The revenue from these fees would be used to maintain and expand the stormwater system. These fees will provide funding for the provision of services and construction of infrastructure such as creek maintenance and regional*

Once the planning and development process is further along, the City of Waco will update and amend its SWMP.

In addition, Waco's MS4 Permit, TPDES PERMIT NO. WQ0004774000, was in the process of being renewed during this reporting year. Second notice was confirmed in June, 2016. The renewed permit was received in mid-October, 2016 and amendments to the SWMP are being developed. The Stormwater Master Planning process will also be incorporated into the SWMP.

It is anticipated that some permit changes will result in changes in the SWMP:

- Revise MS4 map to include all outfalls. Existing areas to be evaluated within 3

years, new areas within 1 year of permit effective date.

- Implement a PPGHP (see list of city facilities)
- Revisions to Construction runoff program:
    - Address control of site waste
    - Review construction site plans
    - Implement procedures to receive and consider public information and concerns regarding construction site activity
    - Implement existing requirements from construction site runoff section of the permit to include all sites disturbing 1+ acre
- Specify how the MCMs address residents, visitors, public service employees, businesses, commercial and industrial facilities, and construction site personnel, or provide justification for any group not addressed by the program; and document the activities conducted and materials used to address each group
- Develop and implement new MCM related to public involvement and participation
- New development and redevelopment program revised to incorporate post-construction runoff control requirements for sites greater than or equal to one acre in size
- Diazinon replaced with Atrazine for monitoring and reporting
- Annual report requirement updated to require reporting for compliance with requirement related to discharges of pollutant of concerns to impaired waters
- Adds requirement for permittee to develop a list of priority areas likely to have illicit discharges within one year of effective permit date.
- **List of Municipal Facilities in need of PPGHP**

SITE	TPDES Permit?	Address
Utilities – Riverside WTP	*N*	*200 Colcord Avenue*
Utilities – Mt. Carmel WTP	*N*	*5701 Lakeshore Drive*
Utilities – DAF Plant	*N*	*4620 Airport Road*
Utilities – Wetlands	*N*	*1752 Eichelberger Crossing Rd.*
Utilities – Water Office	*N*	*425 Franklin Avenue*

Fleet Maintenance Facility	*N*	*324 Colcord Avenue*
Waco Cameron Park Zoo	*N*	*1701 North 4th Street*
Waco Transit Systems	*N*	*301 South 8th Street*
Waco Police Department	*N*	*3115 Pine Avenue*
Waco Fire Station – 1 thru 14	*N*	*Multiple Addresses*
Public Works - Streets	*N; being evaluated*	*7801 Monkey Run Rd.*
Public Works – Signs	*N*	*7801 Monkey Run Rd.*
Public Works - Signals	*N*	*7801 Monkey Run Rd.*
Waco City Hall Building	*N*	*300 Austin Ave*
Waco Convention Center	*N*	*100 Washington Avenue*
Texas Ranger Museum	*N*	*100 Texas Ranger Trail*
Parks and Recreation Dept.	*N*	*207 A Tennessee Ave.*
Waco Riverbend Park	*N*	*1001 Lake Shore Drive*
Waco Mammoth Site	*N*	*6220 Steinbeck Bend Drive*
Operations Building - 4th Street	*N*	*1415 North 4th*
Waco Community Libraries (4)	*N*	*Multiple Addresses*
Waco Recreation Departments	*N*	*Multiple Addresses*
Cottonwood Creek Golf Course	*N*	*5200 Bagby Avenue*
Waco Humane Society Bldg.	*N*	*2032 Circle Road*
May Jackson Development Cnt.	*N*	*401 Franklin Ave*
McLennan Health Building	*N*	*225 West Waco Drive*
Waco WIC Department	*N*	*1105 Washington Avenue 76701*
I.T. & EM Building	*N*	*721 North 4th Street*
WMARSS Wastewater Plant	*Y*	*1147 Treatment Plant Road*

Waco Airport	*Y*	*7909 Karl May Drive*
Waco Landfill	*Y*	*11400 Old McGregor Rd.*
Waco Solid Waste Services Operations	*Y*	*501 Schroeder Drive*
Cobbs Convenience Center	*Y*	*2021 N. 44th Street*
Bullhide Wastewater Plant	*Y*	*approximately 0.8 miles from the intersection of Losak Road and Rosenthal Parkway*

Data collected during the reporting year: Water Utilities staff performs monthly monitoring of surface water quality at 4 sites in Lake Waco and quarterly monitoring of surface water quality at 4 sites in Lake Brazos. Laboratory field staff provide field observations and take general water chemistry, nutrients, bacteriological, dissolved and suspended solids, cation/anion, and algal samples**.** In addition, Stormwater staff collect samples in accordance with the requirements of the permit on a seasonal basis. A summary table displaying the data is attached.

Expenditures: The Stormwater Compliance staff remained under the Water Utilities budget in 2015-2016. Cost of service estimates are found in the attached document. In 2016-2017, the budget is unchanged at this time. It is anticipated to change after and during the Stormwater Master Planning process. See the budget summary, attached.

MS4 Activities

1. **Enforcement actions** - One focus of the city's litter reduction program is "Bag and Tie so Trash Won't Fly". Solid Waste Services provides information about cart tagging and ordinances concerning solid waste management to residents. SWS enforces the ordinances with notices and fees. Of particular importance to stormwater is the requirement that all residential trash must be bagged in securely tied bags and bags must be placed in the wheeled cart provided by Waco SWS. The city enforces the ordinance requirements with notices and fees. In 2015, Waco SWS tagged 11,446 residential trash carts as part of the enforcement process. The tags noted issues such as unbagged waste, trash on the ground, and trash in the recycling cart. In FY 2015-2016, the city tagged 3,947 carts; 1208 for unbagged trash and 265 for trash (other than bulky waste, which is allowable) on the ground. City of Waco sent 632 warning letters for noncompliance with the city's ordinances regarding waste. To increase awareness, flyers and brochures about proper waste disposal are distributed at community events and notes are placed on carts. Waco SWS maintains its partnership with the McLennan County Sheriff's Department through the funding of two officers to enforce illegal dumping laws throughout Greater Waco; and fund Goodwill Services litter abatement. The environmental crimes/illegal dumping enforcement program in permit year 2015-2016 resulted in 364 cases, preventing the unlawful disposal of more than 190,162 pounds of waste and 2,102 tires.

Enforcement Statistics AUG '15 - JULY '16

	CASES	WEIGHT	TIRES	CITATIONS	VIOLATOR CLEAN	TRUSTEE CLEAN	C.O.W. CLEAN	BAGS /LF
AUG '15	50	11620	42	3	26	12	0	237
SEPT '15	34	12860	99	0	18	5	1	184
OCT '15	38	3800	16	5	18	12	0	78
NOV '15	23	5500	21	0	12	1	0	0
DEC '15	24	5160	22	2	11	7	1	83
JAN '16	18	11840	28	5	4	3	0	61
FEB '16	31	36560	71	1	8	16	0	221
MAR '16	27	34975	72	0	8	14	0	82
APRIL '16	24	20195	550	2	9	11	0	22
MAY '16	26	6040	749	1	12	8	0	45
JUNE '16	33	9260	42	1	11	15	0	42
JULY '16	36	32352	390	3	13	13	0	153
TOTALS	***364***	***190162***	***2102***	***23***	***150***	***117***	***2***	***1208***

Preventing litter and other materials from entering into the MS4 is more effective than collecting materials or remediating areas. The City of Waco Code Enforcement inspectors are pro-active as well as reactive to the complaints generated from citizens, police department, fire department, health department or other sources. The City of Waco systematically inspects structures used for commercial or industrial purposes.

Items Addressed	**Number of Items (inspections, fines and education)**
Grass, Weeds & Trash Residential	140
Grass, Weeds & Trash Commercial	13
Litter & Trash	373
Bulky waste	28
Nuisance Violations	1535
Yards and vacant lots	871
Cases Investigated	1784
Total Investigations	2930

2. **Inspections** - Unscheduled inspections are conducted at construction sites, as well as scheduled inspections conducted in response to complaints. There were 55 NOIs filed during the permit year '15-16. Attached is a map showing the areas of new development/redevelopment filed within the permit year.

Inspections supporting MS4 permit

Construction Permit Type:	**# Issued:**
Site Grading	15
Single Family Dwelling	370
Plot/ Parking lot	10
Multi-family Structure	72
Demolition	146
Commercial- Addition	15
Commercial- Accessory structure	37
Business Commercial Building Foundation Only **TOTAL**	43 13 **721**

3. **Public Education program** - In permit year '15-'16, the focus was on general education for the citizens in Waco, from school aged through adult. There was a focus on pet waste as well as litter as being a potential source of stormwater pollution.

Outreach	**Best Management Practices**	**Highlights**
Waco City Limits Newsletter (attached)	Trees, pet waste, used motor oil, HHW Day	35,000 & website (waco-texas.com)
Waco Mammoth National Monument	Annual Fall Fossil Festival Day and March of the Mammoths, Oct. 2015 and March, 2016	Stormwater EnviroScape, General Public
Youth Employment Solutions, MCC, TSTC, Region 12	YES Expo, May, 2016	High School
Keep Waco Beautiful	Compost and Mulch Sale October 5, 2013	General Public
Waco Police Dept. and DEA	Drug Take Bake Initiative Collection Oct 2015 and April 2016	General Public

Keep Waco Beautiful	River and Neighborhood Clean Up Events, November 2015, MLK Day 2016, April, 2016, July, 2016	General Public
Cameron Park Zoo	Party for the Planet, Earth Day, 2016	General Public
Waco PD	National Night-out, October 2015	General Public
Waco Solid Waste Services	Household Hazardous Waste Collection, May 2016	General Public
Centex Hispanic Chamber of Commerce	Family Expo, February, 2016	General Public
Waco Public Works	STEAM Day, October, 2015	Middle and High School Students
Waco Solid Waste Services	Recycling Teach and Eat – March 2014	City Employees
Waco Police Dept. (DEA)	Drug Take Back event, September 2015 and April 2016	General Public

Topics	
Audience: General Public Residential Community Home Owners Neighborhood Associations Schools	Stormwater runoff issues and residential stormwater management practices (See City Limits, July, 2016)
	Potential impacts of animal wastes on water quality and the need to clean up and properly dispose of pet waste to minimize runoff of pollutants in stormwater *
	Illegal dumping, proper management of non-stormwater discharges, and to provide information on reporting spills, dumping, and illicit discharges (see waco-texas.com)
	Proper handling and disposal of toxic and hazardous materials, and measures to contain and minimize discharges to the storm sewer system (see HHW Day flyer)
	Proper management and disposal of used oil (see City Limits, March, 2016 and Waco-texas.com)
	Proper unwanted drug disposal
	All stormwater topics – see http://www.waco-texas.com/cms-solidwaste/page.aspx?id=380
	*City purchased pet waste bag containers for distribution at animal shelter and events; also see City Limits, January, 2016

“Precious”, the City’s Water Drop mascot and Fats, Oils and Grease FOG Dog mascot continued their visits this year including appearances in parades, at churches, public schools and special events. All appearances assist in developing recognition for water quality protection.

Public Works Department continues to place storm drain markers onto inlet storm drains to promote citizens public education on proper disposal and illegal dumping. This effort is part of their normal inlet operational maintenance activities throughout the City in addition to new construction sub divisions that impact Waco’s MS4.

The Lake Waco Wetlands Education and Research Center is flourishing. Workshops and seminars taught by water quality experts occur frequently, and the public is welcome to walk through the Wetlands and learn about watershed protection. The “Urban Water drop Tour” is an educational tour that includes Lake Waco, Mount Carmel Water Treatment Plant, the Dissolved Air Floatation Plant and the Water Utilities Department facilities the Waco Metropolitan Area Regional Sewer System (WMARSS) Waste Water Treatment Plant. During the reporting period:

- Lake Waco Wetlands field trips = 63
- Number of participants = 3,114
- Water Drop Tours to Waco Dam, DAF, Mount Carmel and WMARSS = 7

Stormwater Compliance continued the “MS4 Stormwater Overview” internship program for Environmental Science students at Baylor University and other schools to learn about MS4 permit requirements. The program hosted one intern during the Summer of 2016. One document the intern created:

PAINT DISPOSAL

How to get rid of unused latex, acrylic, or water-based paint



DRY IT UP

Cans that are less than 1/4 full will dry in a few days
Cans more than 1/4 full can be dried out in a well-ventilated area and then disposed up with the rest of your trash
Cat litter or newspaper can be stirred into paint to dry it out in a few days
Commercial paint harderners can also dry out paint quickly
Be sure to only throw out dry paint!

PASS IT ON

Unopened, usable latex paint with a readable label can be taken to Habitat for Humanity Waco Restore as well as Cobbs Recycling Center
Instead of trashing paint, think about donating it to places such as schools, religious groups, or community groups

For more information visit:
http://www.waco-texas.com/cms-solidwaste/page.aspx?id=264

The city's Municipal Information Department is vital to outreach to Waco residents through the monthly "City Limits" newsletter which is available at various locations throughout the city, through the monthly utility billing service, and on-line. Articles throughout the period of this report addressed illegal dumping, litter, and proper disposal of waste. Copies of pertinent newsletters from December, 2015, January, February, March, May, and July, 2016, are attached.

One outreach opportunity was the iEngage community issues fair in August, 2015 at Baylor University. During the fair 5th through 9th grade campers participated in a "community issues discussion" in which they rotated through various stations to explore local community issues. About 100 students participated.

Also, in calendar year 2016, the City of Waco distributed Lake Waco Wetlands calendars and Solid Waste and Water Utilities Planners. Both calendars contained information about stormwater focused on the general public. A copy of each calendar is attached.

PSAs - In the late summer of 2015 Municipal Information produced a 30 second PSA on litter and stormwater protection. The PSA was widely seen because its star was an adorable dog named Tru from the Waco Agility group. The PSA was found on-line, at the City's website, Waco-texas.com, and was periodically seen on various television channels as public service announcement.

This PSA was made possible through the cooperation of Waco Solid Waste Services, Waco Stormwater Compliance and City of Waco Municipal Information. The dog and the handlers contributed their time at a total of 20 volunteer hours to produce the video (including training and filming as well as travel). In March, 2016 Keep Texas Beautiful announced the City of Waco as the winner of the annual Electronic Media award. The Media Award recognizes the public awareness and education efforts of media in supporting environmental issues.

The PSA can be found on YouTube - https://www.youtube.com/watch?v=sD_OYmcB-7M&feature=youtu.be and has had 214 views to date. It can also be found on the city's website at http://www.waco-texas.com/cms-solidwaste/ as "Put Litter in the Right Place"







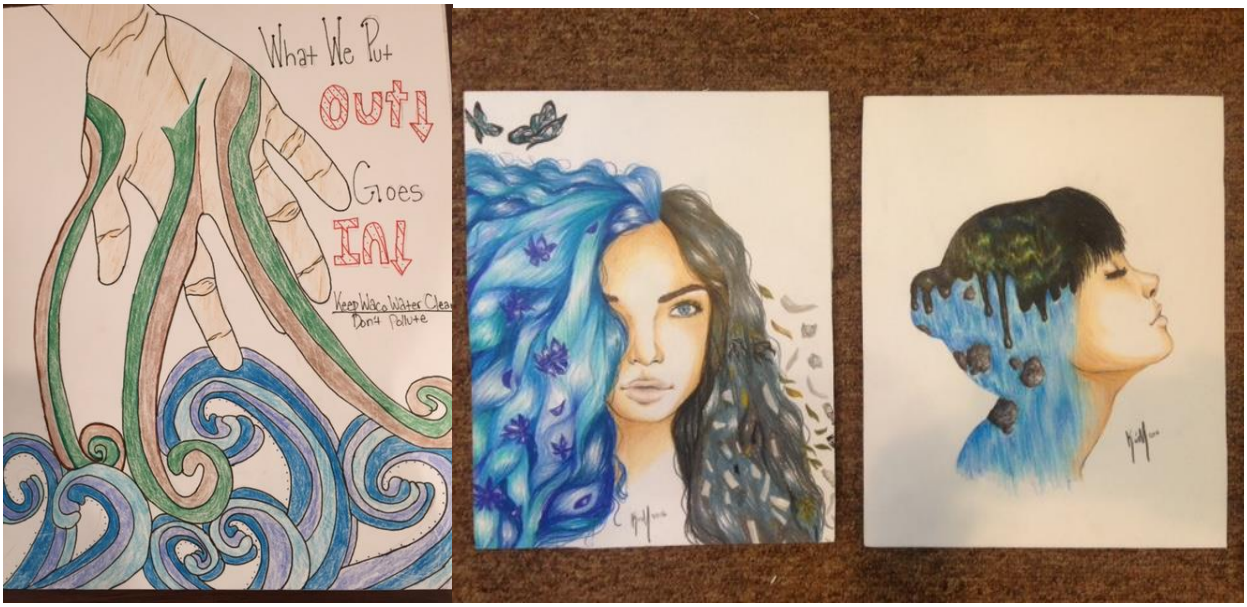


STEAM Day - S.T.E.A.M. stands for science, technology, engineering, architecture and mathematics. In October 2015 the event had its most successful year with over 1,500 students registered from 31 schools within a 50 mile radius of Waco. In addition, there were over 50 exhibitors in attendance.



DIY Rain Barrel Class, April, 2016 - Keep Waco Beautiful and Waco Stormwater Compliance conducted a class about water conservation, proper management of stormwater run-off on your property and rain barrel construction at the Waco Home Depot.

Stormwater Awareness Art Contest, March – April, 2016 - The Art Center, the City of Waco Stormwater Compliance and Keep Waco Beautiful collaborated to host an art contest that promoted environmental awareness in Waco. The winning artists received prizes and the winning pieces were displayed in the Waco Public Library. The first place image will be used on social media to promote Storm Drain and Litter Awareness by the City of Waco. The art competition was open to any student in the 6th through 12th grades. The winners are shown below.



Public Involvement - During the September 22, 2015, meeting of the Council Boards and Commissions Committee, members requested City staff to submit a recommendation for expanding the focus of the Waco Recycling Advisory Committee to other environmental concerns. As a result, a Sustainability Resource Practices Advisory Board (SRPAB) was created. The role of the SRPAB is to advise the City Council on the development and/or support of ecologically and environmentally sound programs and practices within Waco. The primary mission of the board is to promote environmental sustainability and ecological integrity to ensure a better quality of life for the City residents and businesses. Issues which may be considered by the SRPAB include practices to increase public awareness of good stormwater practices, promotion of water conservation, recycling, and waste reduction, and outreach to the Waco business community. Members of the board include representatives of each council district, Baylor University, a civic, environmental organization, the Heart of Texas Council of Governments, and Waco businesses. The board meets at least quarterly. The first meeting was during the summer of 2016. The group has met monthly since that time. The stormwater topic is planned for the meeting in October, 2016.

In addition, the Stormwater Compliance Program acts as the McLennan County coordinator for the Community Collaborative Rain, Hail and Snow Network (CoCoRaHS). CoCoRaHS is a grassroots volunteer network of backyard weather observers of all ages and backgrounds working together to measure and map precipitation (rain, hail and snow) in local communities. CoCoRaHS is now the largest provider of daily precipitation observations in the United States and is a great way to involve the public in weather awareness.

Finally, Waco Solid Waste continues to include storm water logos on new residential trash carts; every Waco resident. This pollution prevention outreach is another educational tool to remind citizens about protecting natural resources and utilizing our recycling program.

4. **Number of NPDES and TPDES NOIs received** – The Fats, Oils and Grease program, Pretreatment program, Stormwater Compliance, and Emergency Management (LEPC) maintain active inspection database lists of potential discharge sites (food establishments, construction and industries). The list of TPDES permitted sites include the name, location and permit number of the discharger. These sites are inspected during routine site inspections.

In the period of this report, there were 721 building permits issued that stormwater was a part of. A list of active NOI permits and NECs in Waco is attached.

MS4 Map, including the status of complying with new requirements - The Public Works GIS department maintains the map of the MS4. The GIS team performs updates when new stormwater infrastructure is added and when old infrastructure is modified. As of October 2015, a creek and channel GPS inventory project was approximately 95% complete. Equipment malfunctions and inaccessible creek areas delayed completion of the project.

The Stormwater Program and Streets Department have capabilities to identify (throughout the MS4) drop inlets, concrete flumes, surface drains, street culverts, and any other drainage conveyance deemed to be a storm structure via GIS program. The map includes the waters of the United States that receive the water conveyed by these storm structures and /or Pour Points.

The MS4 map was created by engineering personnel utilizing the City's GIS software system. The database includes an ID number, Location, Material (concrete, earthen, etc.), miscellaneous information, and the size of the storm structure. The GIS software mapping program works closely with Streets department and Stormwater Program to identify storm structures for a potential illicit discharge to the Lake Brazos and Lake Waco.

5. **Number of site notices received from small construction site operators seeking CGP coverage**: 12 small construction site notices received

6. **Number of inspections conducted at City of Waco and industrial sites–**

Name of Facility	**Date**	**Notes**
COW Streets	3/11/2016	No permit
COW Bullhide Creek	01/11/2016	SWP3 review only
COW WMARSS	01/11/2016	SWP3 review and site visit
COW Solid Waste Services	04/2016	SWP3 review and site visit
COW Landfill	03/07/2016	SWP3 review and site visit

Waco Stormwater also provided support to industrial sites during the permit year. The lists of NOIs and NECs in Waco and the corresponding support provided are attached.

7. **Water Quality** - Water Utilities staff performs monthly monitoring of surface water quality at 4 sites in Lake Waco and quarterly monitoring of surface water quality at 4 sites in Lake Brazos. Laboratory field staff provide field observations and take general water chemistry, nutrients, bacteriological, dissolved and suspended solids, cation/anion, and algal samples.

SWMP Elements -

1. **Structural Controls** - The Public Works GIS department maintains the map of the MS4. The GIS team performs updates when new stormwater infrastructure is added and when old infrastructure is modified. As of October 2015, a creek and channel GPS inventory project was approximately 95% complete. Equipment malfunctions and inaccessible creek areas delayed completion of the project.

   The Public Works department has installed numerous inlet protectors in key locations downtown. Another major project is planned on the Baylor University campus on Waco Creek.

   The City of Waco is responsible for structural controls at its municipal operations. Repairs are the responsibility of the specific department and all purchases or contracts for services are done in accordance with city policies and procedures. Parks and Recreation and Public Works Department perform maintenance on creeks and drainage ways throughout the city. The goal is to reduce potential for flooding by removing vegetation, debris, and sediment that impedes the flow of water that may increase the possibility of flooding.

   Maintenance Operations includes the removal of vegetation, debris, and sediment that has accumulated and may impede the flow of water. However, erosion concerns that affect the integrity of bridges, stormwater structures, and/or hinder maintenance operations will be addressed on a case-by-case basis.

   Property Owners are not allowed to deposit in any creek, drainage way, ditch or any other waterway within the city, any rubbish, filth, construction debris, garbage, grass cuttings or poisonous or deleterious substance or substances liable to affect the health, safety and welfare of persons or aquatic life along the waterways.

   Vegetation Removal – Crews practice discretion in removal of vegetation within the working areas of the creek.

   Mowing Operations – Crews perform mowing operations on city-owned or right of access property that may be adjacent to the creeks and serves as a drainage way.

   Channels and basins – lined channels are maintained by the Public Works Department, unlined channels are maintained by the Parks and Recreation Department. Maintenance of unlined channels is performed on an as needed basis or by requests of citizens. Herring Creek is mowed monthly (2 miles long). Trash is removed during maintenance activities and sent to the City of Waco landfill for proper disposal.

   Detention and Retention areas – the detention and retention basins within the city are public and private are inspected for proper maintenance and operation by the Streets Department during routine operations and citizens volunteer programs such as Keep Waco Beautiful and Neighborhood Associations. A list of basins since 2000 is attached.

2. **Areas of New development and Significant redevelopment -** There were 55 NOIs filed during the permit year '15-16. Attached is a map showing the areas of new development/redevelopment filed within the permit year. The City Plan, Waco Comprehensive Plan 2040 was adopted by Waco City Council on September 6, 2016, outside of the permit year. This document is the fifth comprehensive plan prepared by the City of Waco and guides the future development of the city for the next 25 years. The City Plan

describes current issues, goals, objectives, and makes policy and action recommendations to progress toward achieving those goals.

3. **Roadways** - The Public Works Department is responsible for the construction and maintenance of all of the public roads, streets and arterials within the City limits, except for state roads which are maintained by the Texas Department of Transportation. A street sweeping program has continued during the term of the permit. The central business district is swept a minimum of two times per week, while the high traffic transportation arteries are typically swept once every four weeks. Residential areas are swept five times per year and additionally on an as needed basis, generally in response to complaints received at the city office.

   Road repairs – Water Utilities fills holes in roadways due to pipe repair excavations with gravel and notify the Streets Department by phone, issuing a work order. The Streets Department begins the repairs of those excavations within 24 hours. In the event that a repair cannot be completed within 24 hours, the Streets Department conducts daily observations of the site until repairs are finished.

Actions in Support of MS4

Action	**Quantity**	**Unit**	**Entity**
Curb and Gutter Cleaned	19,274	Feet	Streets
Curb and Gutter Inspected	22,400	Feet	Streets
Curb and Gutter Spoils	123	Cu. Yd.	Streets
Storm Drain Cleaned	1,800	Feet	Streets
Lined Structures Cleaned	21,486	Feet	Streets
Debris Removed from Creeks	5,440 634	Lbs. Cu. Yd.	Parks and Streets
Drainage Structures Repaired	4,736	Sq. Ft.	Streets
Curb miles swept	379	Miles	Streets
Sweeper Material Collected	885	Tons	Streets
Unlined Creek	1	Miles	Parks
Yards of Debris removed from inlets	21	Cu. Yd.	Streets
Installed Protection Inlet Markers	138	Number	Streets
Rip Rap placed in eroded areas	164	Tons	Streets

4. **Flood Control Projects -**The City of Waco Comprehensive Plan provides detailed objectives for city growth and implementation plans to reduce potential flooding. The Engineering department and City Management will strive to ensure the safety of our citizens while stormwater runoff flows to Lake Waco and Lake Brazos. Recently, the City of Waco applied for a Flood Protection Planning Grant through the Texas Water Development Board for flood protection engineering and planning for 7 of the 15 major creeks in Waco – Flat Creek, Cottonwood Creek, Lower Waco Creek, Upper Waco Creek, Waco Creek North, Primrose Creek, and Barron's Branch. Due to the fact that many of these creeks flow through multiple jurisdictions, the Cities of Robinson, Hewitt, Woodway, Beverly Hills, and McLennan County were all participants in the grant application process (map enclosed). As a result of this application process, these entities have seen the potential benefits of managing the "shared" watersheds, creeks, and streams on a regional level and now the Cities of Lacy Lakeview and Bellmead are participating in discussions on the value of regional alliances in developing regional stormwater management policies and guidelines

and in implementing regional flood mitigation projects. These alliances will need to be developed further and strengthened in order to implement regional stormwater management. A map of the planning area and flooding hot-spots is attached.

The Stormwater Master Plan is expected to be complete in 2017.

5. **Pesticide, Herbicide, and Fertilizer Application** - The City's Parks and Recreation Department is responsible for the maintenance of parks, recreation centers, athletic fields and Right-of-Way vegetation.

   Currently, this department employs 7 licensed pesticide applicators. All licenses are from the Texas Department of Agriculture and/or the Texas Structural Pest Control Board.

   The Streets Department also applies herbicides as part of street maintenance. There are two licensed applicators and one employee in training.

   The Parks and Recreation Department applies fertilizer to irrigated park land twice a year and three times a year on athletic fields and Cottonwood Golf Creek Course. Pesticides, primarily herbicides, are applied as needed throughout the park system and Cottonwood Creek Golf Course. The total of fertilizer acreage is 264.

ACTION	QUANTITY	DEPARTMENT
Length of creeks cleaned	43,474 ft.	Parks
Amount of green space added	8 acres	Parks
Citizen compliant addressed (litter and trash in creek)	4	Parks
Granular Fertilization	60 Acres	Parks
Herbicide sprayed	368 miles	Parks and Streets
Erosion Contrals installed	40,040 sq. ft.	Parks and Streets

6. **Illicit Discharge Detection and Improper Disposal -** The City's Water Utilities Services Department has an ongoing Inflow/Infiltration (I & I) Sanitary Sewer Program. The program's purpose is to locate and repair parts of the sanitary sewer collection that are sources of I & I. Water Utilities has a contract with Duke's Root Control where the department provides the company with data from CCTV to clean lines. Waco also has line cleanings set up on a PM program. Problem areas are scheduled for frequent cleanings, and services are replaced whenever cleanings will not suffice. Also, CIP projects that are scheduled in the next few years will help minimize I&I. **Waste Handling** - Waco Solid Waste Services provides environmentally sound and cost effective waste management services in the form of residential, commercial, industrial, and institutional garbage collection and disposal that are an essential need of the community. These services are provided to approximately 36,000 single-family and 5,000 multi-family residential and 4,600 commercial customers. A city owned and operated 237-acre landfill is managed for the end disposal of wastes originating in Waco and surrounding region. Most waste handling and all disposal of city-generated municipal solid waste and non-hazardous waste is done by Waco Solid Waste Services in accordance with applicable rules and regulations.

   The City's Utilities Services Department highlights: Waco continued the execution of the updated Water and Wastewater Master Plan projects that will identify both new water/wastewater infrastructure required to support system expansion and rehabilitation

efforts for existing water storage, transmission, and distribution infrastructure. Several programs have been initiated by the City and outside agencies. These programs include grease collection sites, hazardous collection events, street sweeping, stream restoration and cleanups, the City's Fats, Oils, Grease Program (F.O.G.), wet and dry weather monitoring, and public education. The F.O.G. program and Pretreatment team perform routine inspection visits at local restaurants and categorical permitted pretreatment industries. If an illicit discharge during the inspection is observed the facility supervisor will be notified and an additional inspection will be conducted and/ or Stomwater program notified.

- **City of Waco FOG Program -** The City of Waco works hard to maintain our waste collection system and to keep our sanitary sewers clean and free of oil and grease obstructions. When obstructions occur in the sanitary sewer, they can be a nuisance to not only our daily operation but also affect parties due to the foul odors and sanitary sewer overflows. The F.O.G. is designed to reduce the influx of substances that cause sanitary sewer overflows and treatment problems at the local wastewater plant. The program includes a public education program and an enforcement segment. Over the past fiscal year we have either continued or have initiated programs to get the word out to the WMARSS community concerning FOG and its issues;

    - FOG and Building Inspection has collaborated so that all kitchen area waste stream concerning grease laden material and grease trap/interceptor come through our department for correct sizing of its buildings grease trap/interceptor, as of the year in question there have been approximately 30 buildings referred to us for grease trap sizing's.

    - 5 - Recycle "Grease Deposit" Stations. (Riverside Treatment Plant, Mt. Carmel Treatment Plant, Cobbs Convenience Center, WMARSS Treatment Plant and Waco Streets Service Center).

    - FOG Door hanger Program. Approximately 400 door hangers distributed in the WMARSS jurisdiction.

    - Recycle (Grease) Bin have been distributed to local events such as the Mobile "food" Unit contest, Baylor BBQ cook off and the Earth Day event.

    One of the 5 "**Clean Up the Grease**" stations that give citizens a way to properly dispose of their used cooking oil.



- Number of Inspections performed: There were 501 inspection completed and closed for the past year dated.

- Number of violations written: There were approximately 300 violations accounted for, these violations range from;

    - Sec.26-273 (D) (2) (A,B) *Cleaning Schedule*

    - Sec. 26-271 (D)

    - Sec. 26-273 (f) (4) *Manifest Requirements*

- Number of enforcement cases referred to court: During the fiscal year in question there were no municipal court referrals. There were two establishments ticketed for non-compliant issue; These establishments are as follows:

    - Manny's Mexican Restaurant

    - Chucky Cheese Pizza Restaurant

- Number of trip tickets received (amount of grease removed from collection system). There have been 1,457 closed and 76 issued manifest/trip tickets for grease disposal. This number equates to approximately 1 million gallons of grease removed from the WMARSS collections system.

- Number of education programs conducted: The FOG program along with the Pretreatment Program has teamed with the Health department to conduct monthly food handler classes in which we inform all Districts, General, Shift managers and their employees the required aspects of the FOG program,

    - Ordinance Requirements

    - Manifest Reporting

    - 90-Day Grease Trap Evacuation

Overflows ad Infiltration - The City's Water Utilities Services Department has an ongoing Inflow/Infiltration (I & I) Sanitary Sewer Program. The program's purpose is to locate and repair parts of the sanitary sewer collection system that are sources of I & I.

Action	**Quantity**	**Unit**
Amount (in dollars) spent for I/I projects	45,670.59	$
I/I Projects	2	Feet or miles
Total sewer lines replaced	780 LF	Feet or miles
Total drinking water lines replaced	N/A	Feet or miles
Sewer system overflows repaired	138	number

Drinking water leaks repaired	385	number
Manhole covers replaced/repaired	36	number
Random screening for dry weather discharges	643	number
Industrial Inspections	32	number

Floatables - The Public Works and Parks and Recreation Departments had a floating boom across the outfall at Barron's Branch which flows directly into Lake Brazos (downtown Waco). Due to inefficiency and ineffectiveness a boom was moved from Waco Creek to Barron's Branch. At Baylor there is a submerged wastewater line that captures floatable trash. In addition, Parks Department operates a boat for river clean up on the Brazos River. This action has improved the MS4 program by capturing floatables before polluting Lake Brazos. The Public Works department has placed stormdrain inlet protectors in key locations in the MS4 to help reduce and or eliminate floatables flowing directly into Lake Brazos. See Table for statistics.

Debris Removal – Crews continue to strive to remove debris and litter from creeks and Lake Brazos which may pose a detriment to the environment and public health. Debris removed from the creeks may include tree limbs, loose vegetation, solid waste, illegal dump material, construction debris, tires, and other object or material that otherwise does not belong in a public drainage way. The Parks and Recreation boat crew helps with this process.

Waco Solid Waste Services provides Trustee labor hours to clean litter on the perimeter of the landfill (approximately 1,000 hours) as well as along Hwy 84 leading to the landfill. Waco's landfill and recycling center require tarping of loads and Waco may charge a fee for untarped loads. Waco Solid Waste Services provides roll-off services free of charge to all neighborhood associations to be used three times per year. Clean-up Events occur during Spring and Fall semesters with Baylor University Steppin' Out. A third free clean-up can be held at a time of the neighborhood association's choosing. Solid Waste Services provides information about ordinances concerning solid waste to its residents Flyers & brochures about waste disposal are distributed at community events and with each new cart. In 2015, Environmental Crimes officers from the McLennan County Sheriff's Department and funded by Waco Solid Waste Services, issued 11 citations and 307,976 lb. of waste & 804 tires were disposed of as a result of actions by these officers.

Track the litter index compiled by KWB - Keep Waco Beautiful, Inc. (KWB) evaluates the Litter Index assessment. The most recent evaluations (August, 2015 and April, 2016) revealed a decrease when compared to 2014. The Litter Index: overall average was 1.3 for both evaluations. Volunteers did 20 different locations: 15 neighborhood associations, 3 areas of industrial businesses and 2 schools.

Household Hazardous Waste (HHW) and Used Motor Vehicle Fluids - Goals

- to provide residents the opportunity to dispose of unwanted hazardous items at no charge
- to significantly reduce the amount of hazardous materials being disposed of improperly in storm drains, trash, landfill, and waterways
- to reduce the fire and health safety hazards associated with storage of household hazardous waste in the home or garage
- reduce danger to waste collectors and other workers
- to educate residents as to the best methods of HHW disposal

- HHW collection events and services at the Cobbs Convenience Center are free to residents, except for recycling of scrap tires.

It should be noted that some HHW materials are collected year-round at the Cobbs Convenience Center (Recycling Center). The materials collected from Waco residents year-round include used motor oil, antifreeze, used oil filters, useable latex paint, and electronics.

Participation in Waco One Day Event
In 2016, Waco received a $25,000 grant from the Heart of Texas Council of Governments to cover part of the cost for the 2016 Household Hazardous Waste (HHW) Day. Therefore, the shared cost by the cities was reduced by $25,000, decreasing the net cost per household to approximately $44. The grant is a reimbursement grant program. Waco Solid Waste Services pays the contractor; the other participating cities reimburse Waco based upon an invoice provided per the Interlocal Agreement. Records of previous HHW collection events show that Waco and surrounding communities participated at a rate of 1-5% of households. In 2016, 677 households participated. The most common item by weight has been paint and paint products followed by electronics. During the 2016 event, 62,301 lbs. of HHW was collected. Of that 4,802 lbs. paint was offered for reuse, 15,626 lbs. was recycled (including energy recovery and automotive fluids) and 41, 873 lbs. was disposed. In addition, 726 scrap tires were collected for recycling/processing.

NATIONAL DRUG TAKE-BACK COLLECTIONS: On September 26 and 27th, 2015, April 30 and May 7, 2016 area police departments and the Drug Enforcement Administration (DEA) gave the public its tenth opportunity in five years to prevent pill abuse, theft, and accidental consumption by children by ridding their homes of potentially dangerous expired, unused, and unwanted drugs. The service was free and anonymous, no questions asked.

The Drug Take-Back Day aimed to provide a safe, convenient, and responsible means of disposal. It is important for our citizens to remember that you should not flush unwanted drugs down the toilet, put them in the trash or leave the unwanted medications where others might reach them.

We encouraged everyone to take advantage of this opportunity to safely dispose of unwanted, unused prescription drugs and it provides an opportunity to educate our citizens on proper disposal and not to dispose of in our waterways.

Woodway Public Safety Dept.	920 ESTATES DRIVE	Woodway TX.
Waco Police Department	3115 Pine Avenue	Waco TX.
Hewitt Police Department	100 Patriot Court,	Hewitt TX.
Lorena Police Department	100 N. Bordon St.	Lorena TX.

The Drug Take-Back Collection site on May 7, 2016 was the Household Hazardous Waste Collection Day location, 501 Schroeder Drive, Waco.

MS4 Screening and Illicit Discharge Inspections - The City of Waco Stormwater Compliance has five stationed ISCO automated samplers located in distinct land use locations of major drainage basin areas. These wet and dry weather monitoring sites measure the water quality characteristics of stormwater discharges from the MS4. In the event a storm sampling is

conducted the chain of custody forms will indicate unusual observed characteristics for further screening, if necessary. These land use monitoring sites are occasionally monitored via Flowlink software to investigate unusual water flow variations for further screening up-gradient and / or down-gradient of the watershed. However, due to continuing drought conditions, option 2, bioassessments of receiving streams in years 2,3, and 5 of permits was implemented beginning in May 2014.

The Rapid Bioassessment Monitoring option shall be conducted in the MS4 for years, two, three and five. The Representative Storm Event Monitoring shall be conducted in year one and four.

7. **Spill Prevention and Response** - The Fire Department and Waco-McLennan County Emergency Management Office respond to all hazardous material incidents within the City of Waco to mitigate hazards and spills. The Fire Department resolves incidents with departmental resources when feasible, and contacts outside agencies for assistance when necessary. All Waco Fire Department units carry absorbent materials for covering and containing various spills. All units also carry materials to patch leaks, holes, tears, and punctures that may occur in fuel tanks at motor vehicle collisions or leaking containers. WFD Regional HazMat Team also carries booms, absorbent, and various pieces of equipment for controlling and containing large volume spills of hazardous materials to prevent them from entering storm drains and various waterways. The Waco Fire Department does not perform cleanup. The Responsible Party is required to obtain an environmental contractor for cleanup.

Responses to accidents	1,823
Response to hazardous materials incidents	199
Hazardous Materials Personnel	
HazMat Technician Level	62
HazMat Operations Level	29
HazMat Technician Level total training hours	992
HazMat Operations Level total training hours	2480
Industrial Inspections Hazardous storage: in-ground tanks, above ground tanks, and explosives	124

The Waco-McLennan County Emergency Management Office haz mat response calls are included in the Fire Department data, above.

On calls the Waco-McLennan County Emergency Management Office coordinates agency/departments. The Office also coordinates with the RP to get the material cleaned up using a contractor of their choice.

The Local Emergency Preparedness Committee (LEPC) is composed of community organizations, school district officials, police and fire emergency response personnel, industry and environmental representatives, news media, and interested citizens. The LEPC meetings are County wide; all first response agencies as well as the local tier II facilities and local media are invited. The meetings are open to the public and once a year the LEPC hosts a county wide plan review for the general public. The meeting is well advertised (print and TV as well as post it on

the web site, social media and on the public notice board). Meetings: CERT meetings 1; LEPC/EMC meetings 12

The LEPC also hosts a county wide first responder plan review meeting/workshop where we go over the EM plan and any changes that may have occurred form the previous year.

8. **Industrial & High Risk Runoff** - The Fire Department responds to releases and the department is available in the event containment of fluids is needed. The Local Emergency Preparedness Committee (LEPC) / Emergency Management, F.O.G., Pretreatment and Stormwater Compliance maintain a list of industries that have the potential for discharges into the MS4.

9. **Construction Site Stormwater Runoff - Inspection of Construction Sites and Enforcement Requirements** - The City continues a plan review process that implements ordinance required submittal of contractor proof of coverage under the TPDES Construction General Permit. The City utilizes MyGov to track building permit applications for new construction in Waco. This allows the City to require submittal of appropriate documentation prior to the release of building, grading, or demo permits. For sites disturbing less than 1 acre of soil, the City requires submission of an Erosion Control Plan. Residents can notify the city about concerns by calling the City hotline to report stormwater or environmental complaints.
10. **Education and Training for Construction Site Operators** - The Stormwater Compliance program attends weekly plan review meetings with the City Planning, Inspections, Public Works, Fire, Utilities, and Health Departments. Contractors attend these meetings to address any questions regarding their site and City requirements. There are also monthly developers and local builders' association meetings that the City has utilized for outreach opportunities.

    - January 21, 2016 Jed Walker of Walker Partners provided highlights of the City of Waco Stormwater Master Plan being developed.

    - April 21, 2016 Tom Dahl provided highlights of the City of Waco: Stormwater Management Regulations , Storm Drainage Design Manual, Stormwater Master Plan being developed

    Attendees included developers, homebuilders, architects, and elected officials. Information about the CGP is also available on-line at http://www.waco-texas.com/cms-water/page.aspx?id=362

    Notification of Requirements to Construction Site Operators - The Stormwater Program attaches two (2) control documents to all projects that go through the MYGOV program for permits. These control documents outline the requirements per the Construction General Permit and the City of Waco's Stormwater Ordinance. Additionally, CGP brochures are provided to contractors and builders during site visits and during plan review process and preconstruction meetings. Information about the CGP is also available on-line at http://www.waco-texas.com/cms-water/page.aspx?id=362

    List of Construction Sites - The Inspections department maintains a list of all permits issued throughout the City that contains the project location and the contractor information.

11. **Additional Control Measures Required by Permit – none**

12. Monitoring Programs

Dry weather screening and Wet weather screening - The City of Waco monitors floatables within the MS4 by evaluating the combined amount of material collected from area drainage ways as a result of the various litter control and stream maintenance programs identified in the SWMP. The City tracks the following tasks during the term of the permit:

- Measure the amount of material removed from stream banks
- Measure the amount of material removed from inlet booms
- Track the litter index compiled by KWB
- Measure the amount of material removed by volunteer or inmate litter collection efforts
- Dry Weather observations performed during routine Preventative Maintenance – 643 random screenings during permit year
- Wet Weather observations performed during storm sampling events

Industrial and High Risk Runoff Monitoring – done on a case by case basis

Representative Storm Event Monitoring - ISCO Storm Sampling Stations are located in five land use areas to monitor major suspected outfalls for unusual flow characteristics to the MS4 during dry weather conditions. A summary of the sample analytical results are attached.

Stormwater Monitoring Stations (ISCO):

- Argent task notifications
- Monthly PM's (five site locations)
- Bi-annual calibrations performed by MJF Environmental

Floatables Monitoring – see floatables under item 6. Illicit Discharges and Improper Disposal



TPDES Phase II MS4 General Permit No. TXR040199

Reporting Period: September 1, 2015 - November 30, 2016

Permit No. :STW / TXR040199/ TxDOT Waco District

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

1. Permit Number TXR040199 Annual Report Year: Sept. 1, 2016 – Nov. 30, 2016

   Name of MS4 / Permittee: Texas Department of Transportation – Waco District

   Contact Name: Michael Rhodes Telephone Number: 254-867-2739

   Mailing Address: 100 South Loop Dr., Waco TX 76704-2858

   E-mail Address: michael.rhodes@txdot.gov

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes ___X___ No

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

   Name and Explanation: _____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X___ No

   a. If the answer to Number 3 is "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

Permit Number: _____ Permittee: _____

b. If the answer to Number 3 is "Yes," is this a system-wide annual report including information for all permittees?

_____ Yes ___X___ No

Explanation, if any _____

_____

_____

4. Has a copy of this annual report been submitted to the TCEQ Regional Office? ___X___ Yes _____ No

B. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. 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

_____

_____

b. If the answer to Number 1.a. is "Yes," has the TCEQ already approved the original SWMP? _____Yes _____ No

_____

c. If the answer to Number 1.a. is “Yes,” indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) __Yes __No

2. The MS4 has annexed lands since obtaining permit coverage. If “Yes,” please explain. _____Yes __X_ No

3. A receiving water body is newly listed as impaired or a TMDL has been established. If yes, please explain.

_____Yes ____X____ No _____

4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes __X_____ No

Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

C. Narrative Provisions

1. Provide information on the status of complying with permit conditions:

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	**X**		As described in Section C.3 below we are in compliance with the SWMP submitted to and approved by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	**X**		This report brings us current with the reporting requirements. Supporting records can be inspected at the address indicated on the NOI.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	**X**		We meet the eligibility requirements described in Part II.C., including those requirements pertaining to TMDLs, Edwards Aquifer, and compliance history.

2. Provide a general assessment of the appropriateness of the selected BMPs:

   Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? ____Yes __X__No

   Provide explanation:

   _____

   _____

   _____

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

   While we do not have analytical data that demonstrates a measurable pollutant reduction, progress toward reducing the discharge of pollutants to the maximum extent practicable (MEP) can be quantified in terms of BMP implementation and progress towards meeting our measurable goals. This is consistent with 40 CFR §122.34, which states "Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the maximum extent practicable.'' Even though the actual reduction in pollution has not been measured, there is clearly a direct link between our BMPs and pollutant reduction. For example, removing litter from the storm sewer system eliminates the possibility that said litter will pollute storm water. Although not quantified, this results in a reduction of pollutants in storm water runoff.

   The progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP) for the district can be measured by implementing the following BMPs:

1.A. MCM 1 - Public Education and Outreach on Storm Water Impacts

Texas Department of Transportation – Waco District (District) was compliant with the permit conditions for this minimum control measure. Two BMPs were selected and developed. The BMPs was implemented following the timelines in the approved SWMP.

BMP: Distribute Materials to Local Schools

The plan for this BMP was finalized on July 2, 2008 and is provided in **Attachment 1.** The plan was implemented beginning the second year of the permit term.

The selected BMP, the practice to distribute materials to local schools was evaluated and determined to be an appropriate BMP for reaching area users of the MS4. Providing educational materials to students on the effect of pollution in storm water runoff will assist us in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan, are the number and type of educational materials that were distributed and the dates on which they were distributed. See the list of school where educational materials were distributed in Attachment 1.

and

BMP: Education of Construction Site Personnel

The plan for this BMP was finalized on August 1, 2008 and is provided in **Attachment 1**. The plan was implemented beginning the second year of the permit term.

The selected BMP, the education of construction site personnel on storm water quality, was evaluated and determined to be an appropriate BMP for reaching area users of the MS4. These personnel are directly involved in construction activities that are within the TxDOT right-of-way and that have a potential to contribute storm water pollutants to the system. Providing educational materials on the effect of pollution in storm water runoff to these personnel will assist us in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan, is the number of pre-construction meetings that are conducted in the district, the dates, the number of meetings where materials were distributed, the attendance of those meetings, and the number and type of educational materials that were distributed.

The pre-construction conferences listed below conducted in the district included:

1. Hwy: SH 317
Limits: From FM 2305 to FM 439
County: Bell
CSJ: 0398-04-059
Date: 8/11/2016
Materials distributed included:
MS4 Posters
EMS Poster
EPIC Sheets

2. Hwy: SH 22
Limits: From SH 81 to 0.9 mi East
County: Hill
CSJ: 0121-03-054
Date: 02/12/16
Materials distributed included:
MS4 Posters
EMS Poster
EPIC Sheets

3. SH 147
Limits: From SH 14 to Falls County Line
County: Limestone
CSJ: 0752-06-022

Date:01/27/16
Materials distributed included:
MS4 Posters
EMS Poster
EPIC Sheets

4. Hwy: SH 6
Limits: From I-35 to US 77
County: McLennan
CSJ: 0258-09-111
Date: 02/24/16
Materials distributed included:
MS4 Posters
EMS Poster
EPIC Sheets

5. Hwy: SH 6
Limits: From Buffalo Country Rd. to Lady Bird Rd.
County: McLennan
CSJ: 0258-08-032
Date: 09/12/16
Materials distributed included:
MS4 Posters
EMS Poster
EPIC Sheets

6. Hwy: SH 6
Limits: From Brazos River to SP 484/SH 6
County: McLennan
CSJ: 0258-09-124
Date: 11/01/16

Materials distributed included:
MS4 Posters
EMS Poster
EPIC Sheets

7. Hwy: US 84
Limits: From SH 31/US 84 Wye to Limestone County Line
County: McLennan
CSJ: 0258-09-124
Date: 11/11/16
Materials distributed included:
MS4 Posters
EMS Poster
EPIC Sheets

1.B. MCM 2 – Public Involvement and Participation

The District was compliant with the permit conditions for this minimum control measure. One BMP was selected and developed. The BMP was implemented following the timeline in the approved SWMP.

BMP: Adopt-A-Highway Program

The plan for this BMP was finalized on June 2, 2008 and is provided in **Attachment 2**. The plan was implemented beginning the second year of the permit term.

The selected BMP, the practice of involving the public in the Adopt-A-Highway program within the permitted MS4 area and providing educational material, was evaluated and determined to be an appropriate BMP for reaching public involvement and participation within the area of the MS4. Providing educational materials on the effect of pollution in storm water runoff to these volunteers, and removing floatables and other solid waste materials from the right-of-way, will assist the District in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan, is the number of Adopt-A-Highway events conducted, the mileage of roadway targeted by the groups, and the cubic yards of solid materials removed during the events.

Date of events, miles of MS4 affected and cubic yards of materials removed are described in **Attachment 2**.

1.C. MCM 3 – Illicit Discharge Detection and Elimination

The District was compliant with the permit conditions for this minimum control measure. Three BMPs were selected. One BMP has been developed, and the remaining BMPs are under development and following the timeline for development and implementation in the approved SWMP

BMP: Develop Storm Sever Outfall Inventory Map

MS4 Phase II outfalls were identified and mapped. A map of outfalls that were inventoried is provided in **Attachment 3**. This represents approximately 25 % of the estimated total outfalls to be mapped in the Phase II area. This map was determined to be an appropriate BMP for locating and tracking potential illicit discharges to the MS4, and will assist the District in reducing the discharge of pollutants to the MEP. The measurable goal is to report every regulated outfall in that is identified and included in OTS during the reporting period, completing the map of the MS4 within the timeline delineated in the approved SWMP. The District was successful in meeting that goal during this reporting period.

BMP: Develop Plan to Update Outfall Locations

A plan was developed to update outfalls on new and relocated construction projects. This plan was completed on June 1, 2008 and a copy of the plan is provided in **Attachment 3**. This plan to update the map was determined to be an appropriate BMP for ensuring an accurate tool for locating and tracking potential illicit discharges to the MS4, and will assist the District in reducing the discharge of pollutants to the MEP. The measurable goal is to record and report the number of new and relocated regulated outfalls that are delineated in updates to the OTS. The District was successful in developing the plan for this BMP and will implement the BMP following timelines delineated in the approved SWMP.

BMP: Dry Weather Screening Plan

A plan was developed to screen regulated outfalls for dry weather flow and potential illicit discharges. This plan was completed on June 1, 2008 and a copy of the plan is provided in **Attachment 3**. This plan was determined to be an appropriate BMP for adequately locating and tracking potential illicit discharges to the MS4, and will assist the District in reducing the discharge of pollutants to the MEP. The measurable goal is to report the number of outfalls screened, the number of dry weather flows identified, and the outcome of any necessary follow-up actions that occur as a result of the screening activities. The District was successful in developing the plan for this BMP and will implement the BMP following timelines delineated in the approved SWMP.

1.D. MCM 4 – Construction Site Storm Water Runoff Control

The District was compliant with the permit conditions for this minimum control measure. Two BMPs were selected and developed. The BMPs was implemented following the timelines in the approved SWMP.

BMP: Compliance with the CGP

The plan for this BMP was finalized on July 2, 2008 and is provided in **Attachment 4**. The plan was implemented beginning the second year of the permit term.

The selected BMP, the practice to ensure compliance with the TPDES construction general permit, was evaluated and determined to be an appropriate BMP for controlling storm water runoff from construction sites and will assist the District in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan, is to record the number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4.

The measurable goal was reviewed following the first year of the plan implementation to evaluate the success of the BMP.

and

BMP: Identify and eliminate discharges from construction sites outside of ROW with inadequate controls

The plan for this BMP was finalized on July 2, 2008 and is provided in **Attachment 4**. The plan was implemented beginning the second year of the permit term.

The selected BMP was evaluated and determined to be an appropriate BMP for limiting the discharge of pollutants to the regulated MS4 from construction activities outside of the TxDOT right-of-way and jurisdiction.

The measurable goals to be reported, as described in the attached plan, is the number of construction sites that were identified and any follow-up actions that were taken as a result.

The measurable goal was reviewed following the first year of the plan implementation to evaluate the success of the BMP.

1.E. MCM 5 – Post Construction Storm Water Management in Areas of New Development and Redevelopment

The District was compliant with the permit conditions for this minimum control measure. Two BMPs were selected and developed. The BMPs was implemented following the timelines in the approved SWMP.

BMP: Maintenance of Permanent Control Measures
The district's current BMP inspection program was evaluated and a plan was finalized on July 2, 2008 and is provided in **Attachment 5**. The plan was implemented beginning the second year of the permit term.

The selected BMP, maintenance of permanent control measures, was evaluated and determined to be an appropriate BMP for ensuring that control measures remain in good condition and continue to control storm water runoff, reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan, is the

The measurable goal was reviewed following the first year of the plan implementation to evaluate the success of the BMP.

BMP: Storm Water Structural Controls in Areas of New Development and Redevelopment

The plan for this BMP was finalized on July 2, 2008 and is provided in **Attachment 5**. The plan was implemented beginning the second year of the permit term.

The selected BMP requires coordination with the Director of Transportation Planning and Development to identify early in the planning, design, and project development process any structural controls that should be included for areas of new or redevelopment. The identification of necessary controls and incorporating the construction of those controls into the project was evaluated and determined to be an appropriate BMP for controlling the discharge of pollutants in the MS4. This BMP will assist the District in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan, is the TxDOT personnel or TxDOT approved consultants will routinely drive the MS4 Phase II area and record efforts to maintain permanent control measures.

The measurable goal was reviewed following the first year of the plan implementation to evaluate the success of the BMP.

1.F. MCM 6 – Pollution Prevention/ Good Housekeeping for Municipal Operations

The District was compliant with the permit conditions for this minimum control measure. Four BMPs were selected and developed. Three BMPs were implemented the first year, and the third was implemented following the timelines in the approved SWMP

BMP: Facility Inspections:

The plan for this BMP was finalized on July 2, 2008 and is provided in **Attachment 6**. The plan was implemented beginning the second year of the permit term.

The selected BMP is to ensure that inspections are completed on all district facilities at least once per permit term. The BMP to conduct inspections at this rate was evaluated and determined to be an appropriate BMP for controlling the discharge of pollutants in the MS4 from "municipal" operations. This BMP will assist the District in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan includes the following:

The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit. A team from ENV's Pollution Prevention and Abatement (PPA) section will inspect maintenance facilities and the following program areas at each facility: solid waste management, hazardous waste management, used oil and oil filter management, used antifreeze management, used lead acid battery management, scrap tire management, general housekeeping, equipment washing wastewater management, spill prevention control and countermeasure planning, and petroleum storage tank management. PPA will inspect and provide a Facility Operations Environmental Advisory Survey Report. The measurable goals were reviewed following the first year of the plan implementation to evaluate the success of the BMP.

<u>BMP: Employee Training</u>

The plan for this BMP was finalized on March 2, 2008 and is provided in **Attachment 6**. The plan is currently being implemented.

The selected BMP is to ensure District employees attend at least one training class per permit term. The BMP was evaluated and determined to be an appropriate BMP for providing information to personnel on environmental issues that can encourage the control for the discharge of pollutants in the MS4 from District operations. This BMP will assist the District in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan, is the number of District employees, the number that attended an appropriate training during the reporting period, and the percentage of all employees to receive at least one training during the term of the permit.

The measurable goals were reviewed following the first year of the plan to evaluate the success of the BMP

BMP: Disposal of Waste

The plan for this BMP was finalized on March 2, 2008 and is provided in **Attachment 6**. The plan is currently being implemented.

The selected BMP is to ensure proper disposal of solid wastes. The BMP was evaluated and determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from District operations. This BMP will assist the District in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goals to be reported, as described in the attached plan, is the cubic yards of litter and debris removed from the highway, the cubic yards of spoil materials removed and disposed of during maintenance of drainage ditches and structural controls during this reporting period, and the methods of disposal.

The measurable goals were reviewed following the first year of the plan to evaluate the success of the BMP.

BMP: Inspection of Structural Controls for Sand and Ice Rock Storage Areas

The plan for this BMP was finalized on March 2, 2008 and is provided in **Attachment 6**. The plan is currently being implemented.

The selected BMP is to inspect structural controls within the MS4 Phase II area at least once per year. During inspection the structural controls are evaluated for any needed maintenance, repair or replacement and a schedule is established for follow-up actions as is necessary. The BMP was evaluated and determined to be an appropriate BMP for controlling the discharge of pollutants to the MS4 from District operations. This BMP will assist the District in reducing the discharge of pollutants to the maximum extent practicable (MEP).

The measurable goal to be reported, as described in the attached plan, is the dates of inspections and any maintenance that occurred as a result of those inspections.

The measurable goals were reviewed following the first year of the plan to evaluate the success of the BMP

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

   We encountered no problems implementing the SWMP. With the statewide implementation of our Environmental Management System (EMS), we saw an increase in attention to storm water issues.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated by notices of intent or site notices:

   We did not receive any NOIs or Construction Site Notices during the annual reporting period.

6. Does the permittee utilize the optional seventh MCM related to construction? _____ Yes ___X___ No

   If "Yes," then provide the following information for this permit year:

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

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

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

7. Requirements for Specific Minimum Controls Measures (MCMs):

a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM.

See Section 3C above

b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.).

See Section 3C above

c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

See Section 3C above

8. Describe any proposed changes to the SWMP in the coming reporting year.

   No proposed changes

9. Describe any activities planned for the next permit year, not already described.

   TxDOT will undertake all the activities described in this report as well as the increased training and inspection efforts that are part of our EMS program

D. Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)*

E. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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): _____ Title: _____

Signature: _____ Date: _____

ATTACHMENT 1

Texas Department of Transportation
Storm Water Management Program

TPDES Phase II MS4 Permit No. TXR040000
Waco District

Small Municipal Separate Storm Sewer System
Storm Water Management Program

Texas Department of Transportation

Waco District
100 South Loop Drive
Waco, TX 76704-2858

(254) 867-2739
(254) 867-2883

January 2008

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Introduction

Regulatory Background

a) In 1972, Congress amended the Federal Water Pollution Control Act (commonly referred to as the Clean Water Act ["CWA"]) to prohibit the discharge of pollutants to Waters of the United States from a point source, unless the discharge is authorized by the Environmental Protection Agency through a National Pollutant Discharge Elimination System ("NPDES") permit. EPA issued NPDES permits under Section 402 of the Act to regulate the quality of discharges in order to protect aquatic species, contact recreational uses, public drinking water sources, and other designated uses of surface water. Permits established minimum levels of treatment and relied on numeric effluent limitations to ensure that Waters of the U.S. achieved a "fishable" and "swimmable" quality.

b)

c) In 1987, Congress further amended the CWA clarifying that storm water was a point source discharge of pollutants subject to Section 402. Congress directed EPA to develop NPDES regulatory controls for these discharges, and allowed EPA to implement the program in two phases. Phase I was promulgated by the EPA on November 16, 1990 (*Federal Register*, Volume 55, Page 47990) and addressed storm water discharges from large construction activities (≥ 5 acres), industrial activities, and from large and medium municipal separate storm sewer systems (MS4s), those systems serving a population ≥ 100,000 persons. Phase II was promulgated on December 8, 1999 (*Federal Register*, Volume 64, Page 68722) and addressed discharges from small construction activities (< 5 acres) and small MS4s located within urbanized areas (as defined in the 2000 Census).

d) On September 14, 1998, the State of Texas was authorized by EPA to administer and enforce the NPDES program in Texas. Under the authority of the Texas Water Code, the Texas Commission on Environmental Quality (TCEQ) has developed and issued a Texas Pollutant Discharge Elimination System (TPDES) permit program to regulate discharges of storm water from Phase I and Phase II MS4s. The Texas Department of Transportation (TxDOT) operates MS4s subject to Phase I and Phase II TPDES permits throughout the state.

e)

Applicability of TPDES to the District

The TxDOT Waco District (District) operates a MS4 subject to Phase I of the TPDES storm water permit program. The District also operates a, Phase II MS4 that is subject to TPDES general permit TXR040000, issued and effective August 13, 2007. The permit authorizes discharges from MS4s that are located within urbanized areas (UAs), areas delineated by U.S. Census Bureau data collected during the 2000 Census. TxDOT MS4 facilities located within the urbanized areas (and unincorporated urbanized areas) of Killeen, Copperas Cove, Morgan's Point, Belton, Temple, Lacy Lakeview, Bellmead, Robinson, Hewitt, Woodway, and Beverly Hills. See **Figures 1-3**.

Purpose of the Document

This document is the required storm water management program (SWMP) for areas of the District subject to Phase II TPDES regulations. The SWMP includes the relevant TPDES permit language (depicted in italics) for each minimum control measure (MCM). It describes and defines best management practices (BMPs) for each of the minimum control measures (MCMs), measurable goals for each BMP, an implementation schedule, and identifies the person responsible for implementation of all activities. The District will evaluate the need for revision of the SWMP at least annually. Additional BMPs may be included, and equivalent BMPs may be substituted, based on these evaluations. If a BMP is eliminated without the inclusion of an equivalent BMP, TCEQ will be notified through a notice of change.

1: Public Education and Outreach on Storm Water Impacts

1.A. Permit Requirements :

a) A public education program must be developed to distribute educational materials to the community or conduct equivalent outreach activities that will be used to inform the public. The Municipal Separate Storm Sewer System (MS4) operator may determine the most appropriate sections of the population at which to direct the program. The MS4 operator must consider the following groups and the Storm Water Management Program (SWMP) shall provide justification for any listed group that is not included in the program:

(1) residents
(2) visitors
(3) public service employees
(4) businesses
(5) commercial and industrial facilities
(6) construction site personnel

The outreach must inform the public about the impacts that pollution in storm water run-off can have on water quality, hazards associated with illegal discharges and improper disposal of waste, and steps that they can take to reduce pollutants in storm water runoff.

b) The MS4 operator must document activities conducted and materials used to fulfill this control measure. Documentation shall be detailed enough to demonstrate the amount of resources used to address each group. This documentation shall be retained in the annual reports required in Part IV.B.2 of this general permit.

1.B. Program Implementation Overview

The Public Education and Outreach minimum measure consists of Best Management Practices (BMPs) that focus on the development and distribution of educational materials designed to inform the public about the impacts that storm water discharges have on local water bodies and the steps that the public can take to reduce pollutants in storm water runoff. (Part III.A.1.(a))

The District has considered the target audiences required by the permit and will distribute information to the following audiences: (Part III.A.1.(a))

- visitors
- public service employees (TxDOT personnel)
- construction site personnel

Targeting commercial and industrial facilities and businesses, and residents was considered, however will not be directly targeted. As discussed in the TCEQ Executive Director's Response to Public Comment on General Permit No. TXR040000 Comment and Response 200, TxDOT does not directly serve residents, business, or commercial and industrial facilities. These groups not included in the program will be indirectly targeted with the general storm water programs TxDOT provides (i.e. Keep Texas Beautiful).

The District has implemented several education methods concerning improper disposal of waste and ways to minimize improper waste disposal impacts on storm water quality. (Part III.A.1.(a))

The educational activities and materials that will be used to fulfill this control measure will be documented. The documentation of these records will be summarized in an annual report and will be specific enough to demonstrate the volume of educational materials distributed. Included in each BMP is a description of what records will be maintained and reported in the annual reports. (Part III.A.1.(b))

1.C. Best Management Practices and Measurable Goals:

A. Visitors and Public Service Employees: The District will target these groups by completing at least one of the BMPs listed below each year.

Flyers and Brochures: Provide flyers and brochures for the purpose of educating the public on storm water impacts and ways they can minimize storm water pollution. Distribute flyers and brochures during project public meetings that serve the Phase II area.

Impacts of Illegal Dumping and Littering: Promote the use of existing public service announcements that focus on the impacts of illegal dumping and littering. Distribute copies to local TV or radio stations.

Distribute Materials to Local Schools: Provide educational materials to school age children in order to foster an early awareness of water quality issues. Contact at least one elementary school each year and provide, upon request, education materials.

B. Education of Construction Site Personnel: The District will target this group by completing at the BMP listed below each year.

Education of Construction Site Personnel: Distribution of guidance materials to construction site personnel on the proper installation and maintenance of erosion and sediment controls, and other construction site runoff issues. Distribute "Basic Principles of Erosion and Sediment Control" posters at pre-construction meetings for projects requiring a CGP NOI.

1.D. BMP Implementation Schedule & Activity

Implementation Year	BMP	Activity	Records to be Maintained and Summarized in Annual Reports
Year 1	Flyers and Brochures (Visitors, Public Service Employees, Construction Site Personnel)	Develop plan to distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area.	Implementation of BMP will begin in Permit Implementation Year 2.
	OR		
	Impacts of Illegal Dumping and Littering (Visitors, Public Service Employees, Construction Site Personnel)	Develop plan to contact one local TV or radio station and provide a copy of a Public Service Address Announcement (PSA) provided by ENV or the District.	Implementation of BMP will begin in Permit Implementation Year 2.
	OR		
	Distribute Materials to Local Schools (Visitors)	Develop plan to contact one local elementary school that is located in or relatively near the MS4 Phase II facility and provide, upon request, materials for public education	Implementation of BMP will begin in Permit Implementation Year 2.
		AND	
	Education of Construction Site Personnel (Construction Site Personnel, Public Service Employees)	Develop plan to attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide of water quality materials.	Implementation of BMP will begin in Permit Implementation Year 2.

Implementation Year	BMP	Activity	Records to be Maintained and Summarized in Annual Reports
Year 2	Flyers and Brochures (Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area	Attend all public meetings and estimate quantities of material distributed or posted, and date of public meetings where materials were distributed or copies of sign in sheet where materials were distributed.
	OR		
	Impacts of Illegal Dumping and Littering (Visitors, Public Service Employees, Construction Site Personnel)	Contact one local TV or radio station and provide a copy of a Public Service Address Announcement (PSA) provided by ENV or the District.	Record TV or radio station and date when delivery was made.
	OR		
	Distribute Materials to Local Schools (Visitors)	Contact one local elementary school that is located in or relatively near the MS4 Phase II facility and provide, upon request, materials for public education	Record date, name of school, and the estimated quantities of education materials distributed.
		AND	
	Education of Construction Site Personnel (Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide of water quality materials.	Record date and project where educational materials were distributed.
Year 3	Flyers and Brochures (Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area	Attend all public meetings and estimate quantities of material distributed or posted, and date of public meetings where materials were distributed or copies of sign in sheet where materials were distributed.
	OR		
	Impacts of Illegal Dumping and Littering (Visitors, Public Service Employees, Construction Site Personnel)	Contact one local TV or radio station and provide a copy of a Public Service Address Announcement (PSA) provided by ENV or the District.	Record TV or radio station and date when delivery was made.
	OR		
	Distribute Materials to Local Schools (Visitors)	Contact one local elementary school that is located in or relatively near the MS4 Phase II facility and provide, upon request, materials for public education	Record date, name of school, and the estimated quantities of education materials distributed.
		AND	

Implementation Year	BMP	Activity	Records to be Maintained and Summarized in Annual Reports
	Education of Construction Site Personnel (Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide of water quality materials.	Record date and project where posters were distributed.
Year 4	Flyers and Brochures (Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area	Attend all public meetings and estimate quantities of material distributed or posted, and date of public meetings where materials were distributed or copies of sign in sheet where materials were distributed.
	OR		
	Impacts of Illegal Dumping and Littering (Visitors, Public Service Employees, Construction Site Personnel)	Contact one local TV or radio station and provide a copy of a Public Service Address Announcement (PSA) provided by ENV or the District.	Record TV or radio station and date when delivery was made.
	OR		
	Distribute Materials to Local Schools (Visitors)	Contact one local elementary school that is located in or relatively near the MS4 Phase II facility and provide, upon request, materials for public education	Record date, name of school, and the estimated quantities of education materials distributed.
		AND	
	Education of Construction Site Personnel (Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide of water quality materials.	Record date and project where posters were distributed.
Year 5	Flyers and Brochures (Visitors, Public Service Employees, Construction Site Personnel)	Distribute flyers and brochures during project public meetings that are in or that serve the MS4 Phase II area	Attend all public meetings and estimate quantities of material distributed or posted, and date of public meetings where materials were distributed or copies of sign in sheet where materials were distributed.
	OR		
	Impacts of Illegal Dumping and Littering (Visitors, Public Service Employees, Construction Site Personnel)	Contact one local TV or radio station and provide a copy of a Public Service Address Announcement (PSA) provided by ENV or the District.	Record TV or radio station and date when delivery was made.
	OR		
	Distribute Materials to Local Schools (Visitors)	Contact one local elementary school that is located in or relatively near the MS4 Phase II facility and provide, upon request, materials for public education	Record date, name of school, and the estimated quantities of education materials distributed.

Implementation Year	BMP	Activity	Records to be Maintained and Summarized in Annual Reports
		AND	
	Education of Construction Site Personnel (Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS 4 Phase II area and provide of water quality materials.	Record date and project where posters were distributed.

2: Public Involvement and Participation

2.A. Permit Requirements:

The MS4 operator must, at a minimum, comply with any state and local public notice requirements when implementing a public involvement/participation program. It is recommended that the program include provisions to allow all members of the public within the small MS4 the opportunity to participate in SWMP development and implementation. Correctional facilities will not be required to implement this MCM.

2.B. Program Implementation Overview

f) If a public meeting is held to allow the public an opportunity to participate in SWMP development and implementation, TxDOT will comply with all applicable state and local public notice requirements for the event.

g) There are no residents on the TxDOT MS4 and direct public involvement and participation has many associated safety risks because of traffic. Therefore, TxDOT limits this to a minimum BMP of Adopt-A-Highway.

As required by the permit, this BMP contains a detailed implementation schedule, measurable goals and the responsible party.

2.C. Best Management Practices and Measurable Goals

A. Adopt-A-Highway Program: Encourage volunteer litter collection activities at designated Adopt-A-Highway segments. Contact local Adopt-A-Highway groups and provide, when requested, educational materials related to storm water. The District will contact their Adopt-A-Highway coordinator to obtain a list of current Adopt-A-Highway groups.

2.D. BMP Implementation Schedule & Activity

Implementation Year	BMP	Activity	Records to be Maintained in Annual Reports
Year 1	Adopt-A-Highway Program	Develop a plan to include an Adopt-A-Highway program within the Urbanized Area. **Or, if a length of roadway is already adopted within the UA** Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Record the date the plan is final. Implementation of BMP will begin in Permit Implementation Year 2. **OR, if Adopt-A-Highway program is already underway in UA:** Record date of events, report how many miles of MS4 were affected, cubic yards of materials removed.

Implementation Year	BMP	Activity	Records to be Maintained in Annual Reports
Year 2	Adopt-A-Highway Program	Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, cubic yards of materials removed.
Year 3	Adopt-A-Highway Program	Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, cubic yards of materials removed.
Year 4	Adopt-A-Highway Program	Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, cubic yards of materials removed.
Year 5	Adopt-A-Highway Program	Remove litter and other solid waste from the M4 through Adopt-A-Highway events.	Record date of events, report how many miles of MS4 were affected, cubic yards of materials removed.

3: Illicit Discharge Detection and Elimination

3.A. Permit Requirements:

(a) Illicit Discharges

A section within the SWMP must be developed to establish a program to detect and eliminate illicit discharges to the MS4. The SWMP must include the manner and process to be used to effectively prohibit illicit discharges. To the extent allowable under state and local law, an ordinance or other regulatory mechanism must be utilized to prohibit and eliminate illicit discharges. Elements must include:

(1) Detection – the SWMP must list the techniques used for detecting illicit discharges.

(2) Elimination – the SWMP must include appropriate actions and, to the extent allowable under State and local law, establish enforcement procedures for removing the source of an illicit discharge.

(b) Allowable Non-Storm Water Discharges

Non-storm water flows listed in Part II.B and Part VI.B. do not need to be considered by the MS4 operator as an illicit discharge requiring elimination unless the operator of the MS4 or the executive director identifies the flow as a significant source of pollutants to the MS4. In lieu of considering non-storm water sources on a case-by case basis, the MS4 operator may develop a list of common and incidental non-storm water discharges that will not be addressed as illicit discharges requiring elimination. If developed, the listed sources must not be reasonably expected to be significant sources of pollutants either because of the nature of the discharge or the conditions that are established by the MS4 operator prior to accepting the discharge to the small MS4. If this list is developed, then all local controls and conditions established for these discharges must be described in the SWMP and any changes to the SWMP must be included in the annual report described in Part IV.B.2 of this general permit, and must meet the requirements of Part II.D.3 of the general permit.

(c) Storm Sewer Map

(1) A map of the storm sewer system must be developed and must include the following:
(i) the location of all outfalls;
(ii) the names and locations of all waters of the U.S. that receive discharges from the outfalls;
(iii) any additional information needed by the permittee to implement its SWMP.

(2) The SWMP must include the source of information used to develop the storm sewer map, including how the outfalls were verified and how the map will be regularly updated.

3.B. Program Implementation Overview

The Illicit Discharge Detection and Elimination minimum measure consists of Best Management Practices (BMPs) that focus on the detection and elimination of illicit discharges into the MS4.

The District lacks internal legal authority necessary to forcibly eliminate illicit discharges to the permitted storm sewer system. Illicit discharge detection will occur during a dry period by visibly inspecting outfalls. If there is an illicit discharge detected the District will notify the local government with such authority or if unresolved refer illicit discharges to TCEQ.

Illicit discharge detection is monitored during the normal course of maintenance activities. TxDOT personnel drive monitor roadways on a continuing basis. When illicit discharges are detected, TxDOT personnel make every effort to identify the source of the discharge and to contact the responsible party.

Runoff from construction sites and runoff from new development and redevelopment adjacent to TxDOT ROW will be monitored through illicit discharge detection as outlined in this MCM.

All TxDOT roadways within the Phase II area will be identified using the EPA urban area maps. As built construction plans will be pulled for each roadway and outfalls will be identified from the construction plans. Each outfall in the construction plans will be surveyed and included in the storm sewer map. The storm sewer map will delineate the storm water outfalls within the MS4, specifically describing the location of the outfalls, and the names and locations of all receiving streams. By developing this storm sewer map, the district will be able to identify and monitor allowable non-storm water discharges, and illicit discharges to the permitted storm sewer system.

h) The following non-storm water discharges will not be addressed in the MS4's Illicit Discharge and Detection program:water line flushing

i) runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources

j) discharges from potable water sources

k) diverted stream flows

l) rising ground waters and streams

m) uncontaminated ground water infiltration

n) uncontaminated pumped ground water

o) foundation and/or footing drains

p) air conditioning condensate

q) water from crawl space pumps

r) individual residential and charity vehicle washing

s) flows from wetlands and riparian habitats

t) dechlorinated swimming pool discharges

u) street wash water

v) discharges of flows from fire fighting activities (fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities)

p) other similar occasional incidental non-storm water discharges, unless the TCEQ develops permits or regulations addressing these changes.

3.C. Best Management Practices and Measurable Goals:

A. Develop Storm Sewer Outfall Inventory Map: Research roadway plans and maps to develop a storm sewer map that includes the location of all outfalls within the Phase II regulated area, and the names and locations of all waters of the U.S that receive discharges from outfalls.

B. Develop Plan to Update Outfall Locations: Develop a plan to update outfalls on new and relocated construction projects. Possible plans include but are not limited to:

* Drive the MS4 area and identify new and relocated outfall locations
* Include new and relocated outfall location as part of illicit discharge detection
* Obtain a list of all Notices of Intent from the Construction Division (September – August), review list and document Phase II roadways with new and relocated outfalls

C. Implement Plan Developed to Update Outfall Locations: Implement plan developed in year 1 to update outfalls on new and relocated construction projects.

D. MS4 Outfall Screening (Dry Weather Screening): The District will conduct dry weather screening of all outfalls in the MS4 (once per permit term) and update locations in order to identify the presence of illicit discharges to the MS4. Screen all outfalls once per permit term in the MS4 Phase II area

3.D. BMP Implementation Schedule & Activity

Implementation Year	BMP	Activity	Records to be Maintained and Summarized in Annual Reports
Year 1	Develop Storm Sewer Outfall Inventory Map	Identify outfalls within the MS4 Phase II area on a schedule such that every outfall is mapped by the end of the 5-year implementation period.	Provide a list of outfalls inventoried.
	Develop Plan to Update Outfall Locations	Develop a plan to update outfalls on new and relocated construction projects.	Provide a copy of plan in first annual report.
Year 2	Develop Storm Sewer Outfall Inventory Map	Identify and map 25 % of the outfalls within the MS4 Phase II area on a schedule such that every outfall is mapped at by the end of the 5-year implementation period.	Provide a list of outfalls inventoried.
	Implement Plan Developed to Update Outfall Locations	Implement plan developed in year 1 to update outfalls on new and relocated construction projects.	Provide records identified year 1 plan development.
	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen 25% of the outfalls in the most current map available.	Provide a list of outfalls for which dry weather screening was performed.

Implementation Year	BMP	Activity	Records to be Maintained and Summarized in Annual Reports
Year 3	Develop Storm Sewer Outfall Inventory Map	Identify and map 25% of the outfalls within the MS4 Phase II area on a schedule such that every outfall is mapped at by the end of the 5-year implementation period.	Provide a list of outfalls inventoried.
	Implement Plan Developed to Update Outfall Locations	Implement plan developed in year 1 to update outfalls on new and relocated construction projects.	Provide records identified year 1 plan development.
	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen 20% of the outfalls in the most current map available.	Provide a list of outfalls for which dry weather screening was performed.
Year 4	Develop Storm Sewer Outfall Inventory Map	Identify and map 20 % of the outfalls within the MS4 Phase II area. Alternatively, identify and map on a schedule such that every outfall is mapped at by the end of the 5-year implementation period.	Provide a list of outfalls inventoried.
	Implement Plan Developed to Update Outfall Locations	Implement plan developed in year 1 to update outfalls on new and relocated construction projects.	Provide records identified year 1 plan development.
	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen 25% of the outfalls in the most current map available.	Provide a list of outfalls for which dry weather screening was performed.
Year 5	Develop Storm Sewer Outfall Inventory Map	Identify and map 25% of the outfalls within the MS4 Phase II area. Alternatively, identify and map on a schedule such that every outfall is mapped at by the end of the 5-year implementation period.	Provide a list of outfalls inventoried.
	Implement Plan Developed to Update Outfall Locations	Implement plan developed in year 1 to update outfalls on new and relocated construction projects.	Provide records identified year 1 plan development.
	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Screen 25% of the outfalls in the most current map available.	Provide a list of outfalls for which dry weather screening was performed.

4: Construction Site Storm Water Runoff Control

4.A. Permit Requirements:

The MS4 operator, to the extent allowable under State and local law, must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the small MS4 from construction activities that result in land disturbance of greater than or equal to one acre or if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more of land. The MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from sites where the construction site operator has obtained a waiver from permit requirements under NPDES or TPDES construction permitting requirements based on a low potential for erosion.

(a) The program must include the development and implementation of, at a minimum, an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state and local law.

(b) Requirements for construction site contractors to, at a minimum:
(1) implement appropriate erosion and sediment control BMPs; and
(2) control waste such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality

(c) The MS4 operator must develop procedures for:

(1) site plan review which incorporate consideration of potential water quality impacts;
(2) receipt and consideration of information submitted by the public; and
(3) site inspection and enforcement of control measures to the extent allowable under state and local law.

4.B. Program Implementation Overview

The Construction Site Runoff minimum measure consists of Best Management Practices (BMPs) that focus on the reduction of pollutants in storm water runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre or construction activity that is part of a larger common plan of development or sale that would disturb one acre or more of land.

Construction within TxDOT ROW
TxDOT requires that all TxDOT construction sites resulting in a land disturbance of greater than or equal to one acre or is part of a larger common plan of development or sale will comply with TCEQ Construction General Permit No. TXR150000. Each required site will incorporate a Storm Water Pollution Prevention Plan (SWP3) including adequate sediment and erosion controls. The SWP3 will also contain measures to control discarded building materials, concrete truck washout water, chemicals, litter and sanitary waste generated at each construction site. As a TxDOT policy, all TxDOT SWP3s are reviewed and approved before construction activities commence.

As a TxDOT policy, at each permitted TxDOT construction site, an appropriate Construction General Site Notice (CSN) or NOI is posted. These notices are posted in locations accessible to the public and contain a phone number for the public to submit information regarding the site. Comments received from the public will be considered as deemed appropriate by the District Engineer or responsible TxDOT representative.

Site inspections will be conducted and corrective actions will be taken at TxDOT owned construction sites in accordance with the TCEQ Construction General Permit. TxDOT personnel inspect for debris, silt, trash, and other discharges from TxDOT construction projects.

Construction outside TxDOT ROW
The District lacks internal legal authority necessary to forcibly eliminate illicit discharges to address storm water runoff from construction projects outside of TxDOT ROW with inadequate SW3P measures or controls. Illicit discharge detection will occur during a dry period by visibly inspecting outfalls. If there is an illicit discharge detected the District will notify the local government with such authority or if unresolved refer illicit discharges to TCEQ. Discharges to our MS4 from adjacent construction are addressed in the Illicit Discharge Detection and Elimination, MCM 3.

If the District identifies the source of an illicit discharge as the adjacent property owner, the District will notify the property owner immediately and request the discharge be eliminated. If the District is unsuccessful or if the source of the discharge cannot be identified from the TxDOT ROW, TxDOT will contact the local government with authority and/or contact TCEQ. During systematic right of way (ROW) inspections, construction sites that lack site notices or adequate controls will be reported to the appropriate local agency and/or the TCEQ regional office.

4.C. Best Management Practices and Measurable Goals:

A. Compliance with the CGP on TxDOT projects: All TxDOT construction contracts for projects that disturb one or more acres will include specifications, provisions and/or plan sheets that require compliance with the CGP. All TxDOT construction projects within the ROW with NOIs or CSNs will comply with the program described in Section 4.b, which meet the permit requirements described in Section 4.A.

4.D. BMP Implementation Schedule & Activity

Implementation Year	BMP	Activity	Records to be Maintained and Summarized in Annual Reports
Year 1	Compliance with the CGP	Develop plan to comply with, and require its contractors to comply with the CGP.	Implementation of BMP will begin in Permit Implementation Year 2.
	Discharge from inadequate controls at construction sites outside of TxDOT ROW	Develop a plan to look for inadequate SW3P measures and controls from construction projects outside of TxDOT ROW.	Implementation of BMP will begin in Permit Implementation Year 2.
Year 2	Compliance with the CGP	TxDOT will comply with, and require its contractors to comply with the CGP.	Record number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4.
	Discharge from inadequate controls at construction sites outside of TxDOT ROW	During illicit discharge detection look for inadequate SW3P measures and controls from construction projects outside of TxDOT ROW.	Provide a list where construction site runoff is evident due to inadequate controls. Record corrective measures taken.
Year 3	Compliance with the CGP	TxDOT will comply with, and require its contractors to comply with the CGP.	Record number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4.
	Discharge from inadequate controls at construction sites outside of TxDOT ROW	During illicit discharge detection look for inadequate SW3P measures and controls from construction projects outside of TxDOT ROW.	Provide a list where construction site runoff is evident due to inadequate controls. Record corrective measures taken.
Year 4	Compliance with the CGP	TxDOT will comply with, and require its contractors to comply with the CGP.	Record number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4.

Implementation Year	BMP	Activity	Records to be Maintained and Summarized in Annual Reports
	Discharge from inadequate controls at construction sites outside of TxDOT ROW	During illicit discharge detection look for inadequate SW3P measures and controls from construction projects outside of TxDOT ROW.	Provide a list where construction site runoff is evident due to inadequate controls. Record corrective measures taken.
Year 5	Compliance with the CGP	TxDOT will comply with, and require its contractors to comply with the CGP.	Record number of CGP NOIs for large projects, and CSNs for small projects, required to authorize TxDOT construction projects within the boundaries of the small MS4.
	Discharge from inadequate controls at construction sites outside of TxDOT ROW	During illicit discharge detection look for inadequate SW3P measures and controls from construction projects outside of TxDOT ROW.	Provide a list where construction site runoff is evident due to inadequate controls. Record corrective measures taken.

5: Post-Construction Storm Water Management in New Development and Redevelopment

5.A. Permit Requirements:

To the extent allowable under State and local law, the MS4 operator must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that will result in disturbance of one or more acres, that discharge into the small MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts;

(a) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your community;

(b) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under state and local law; and

(c) Ensure adequate long-term operation and maintenance of BMPs.

5.B. Program Implementation Overview

The Post-Construction Storm Water Management minimum measure consists of Best Management Practices (BMPs) that focus on the prevention or minimization of water quality impacts from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that discharge into the small MS4.

TxDOT policy requires all new development and re-development projects, highway construction subject to the TCEQ Construction General Permit, implement permanent controls appropriate for the project and local water bodies. Permanent controls may be structural or non-structural BMPs. Because highway re-development projects are linear in nature and right-of-way is often limited, non-structural controls will be selected. Where feasible, structural and/or non-structural controls will be incorporated in new highway projects. The selected controls will be operated and maintained according to established TxDOT policy.

New development and redevelopment projects within the ROW are under TxDOT control. TxDOT policy requires all new development and re-development projects, including highway construction subject to the TCEQ Stormwater Construction General Permit, to include permanent controls appropriate for the project and for local water bodies. Permanent controls may be structural or non-structural in nature. Because highway projects are linear in nature and right-of-way is often limited, non-structural controls are frequently necessary and may be preferred when they are decided to be adequate.

TxDOT post-construction control measures may include the following:

Structural Controls:

- retention / irrigation ponds
- extended detention (wet/dry basins)
- vegetative filter strips
- sedimentation ponds
- filtration ponds
- catch basins
- grated inlets
- outfall velocity dissipation controls

Non-Structural Controls:

- Street Sweeping
- Litter Collection

The District lacks internal legal authority necessary to develop, enforce, or control discharges from post-construction storm water management in new development and redevelopment to address storm water runoff from construction projects outside of the state ROW. Illicit discharge detection will occur during a dry period by visibly inspecting outfalls. If there is an illicit discharge detected within the regulated MS4 Phase II area the District will notify the local government with such authority or if unresolved refer illicit discharges to TCEQ. Discharges to our MS4 from adjacent construction are addressed in the Illicit Discharge Detection and Elimination, MCM 3.

Structural control measures are identified during the design of the TxDOT facility. TxDOT conducts routine maintenance on permanent control measures. Control measures selected will be routinely maintained during systematic ROW inspections. Maintenance of structural controls will be conducted on an as needed basis or when deemed necessary.

If the District identifies the source of an illicit discharge as the adjacent property owner, the District will notify the property owner immediately and request the discharge be eliminated. If the District is unsuccessful or if the source of the discharge cannot be identified from the TxDOT ROW, TxDOT will contact the local government with authority and/or contact TCEQ. During maintenance of the right of way (ROW), construction sites that lack site notices or adequate controls will be reported to the appropriate local agency and/or the TCEQ regional office.

Included in each BMP is a description of which records will be maintained and reported in the annual reports. As required by the permit, each BMP contains a detailed implementation schedule and measurable goals.

5.C. Best Management Practices and Measurable Goals:

A. Inspection and Maintenance of Permanent Control Measures: TxDOT personnel or TxDOT approved consultants will routinely drive the MS4 Phase II area and maintain permanent control measures.

B. Controls include mowing, repair of erosion features, etc. TxDOT currently has design standards that ensure compliance for structural and non-structural runoff controls.

5.D. BMP Implementation Schedule & Responsible Party

Implementation Year	BMP	Activity	Records to be Maintained in Annual Reports
Year 1	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc.)	Develop a plan for TxDOT personnel or TxDOT approved consultants will routinely drive the MS4 Phase II area and maintain permanent control measures.	Implementation of BMP will begin in Permit Implementation Year 2.
Year 2	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	TxDOT personnel or TxDOT approved consultants will routinely drive the MS4 Phase II area and maintain permanent control measures. Alternatively TxDOT personnel or TxDOT approved consultants will maintain permanent control measures on a schedule such that the MS4 area is completed within the 5-year implementation period.	Submit a record of maintenance activities, (i.e. schedule) of the permanent BMPs.
Year 3	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	TxDOT personnel or TxDOT approved consultants will routinely drive the MS4 Phase II area and maintain permanent control measures. Alternatively TxDOT personnel or TxDOT approved consultants will maintain permanent control measures on a schedule such that the MS4 area is completed within the 5-year implementation period.	Submit a record of maintenance activities, (i.e. schedule) of the permanent BMPs.
Year 4	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	TxDOT personnel or TxDOT approved consultants will routinely drive the MS4 Phase II area and maintain permanent control measures. Alternatively TxDOT personnel or TxDOT approved consultants will maintain permanent control measures on a schedule such that the MS4 area is completed within the 5-year implementation period.	Submit a record of maintenance activities, (i.e. schedule) of the permanent BMPs.
Year 5	Maintenance of Permanent Control Measures (mowing, repair of erosion features, etc)	TxDOT personnel or TxDOT approved consultants will routinely drive the MS4 Phase II area and maintain permanent control measures. Alternatively TxDOT personnel or TxDOT approved consultants will maintain permanent control measures on a schedule such that the MS4 area is completed within the 5-year implementation period.	Submit a record of maintenance activities, (i.e. schedule) of the permanent BMPs.

6: Pollution Prevention and Good Housekeeping for Municipal Practices

6.A. Permit Requirements:

A section within the SWMP must be developed to establish an operation and maintenance program, including an employee training component that has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

(a) Good Housekeeping and Best Management Practices

Housekeeping measures and BMPs (which may include new or existing structural and non-structural controls) must be identified and either continued or implemented with the goal of preventing or reducing pollutant runoff from municipal operations. Examples of municipal operations and municipally owned areas include, but are not limited to:

(1) park and open space maintenance;
(2) street, road, or highway maintenance;
(3) fleet and building maintenance;
(4) storm water system maintenance;
(5) new construction and land disturbances;
(6) municipal parking lots;
(7) vehicle and equipment maintenance and storage yards;
(8) waste transfer stations; and
(9) salt/sand storage locations

(b) Training

A training program must be developed for all employees responsible for municipal operations. The training program must include training materials directed at preventing and reducing storm water pollution from municipal operations. Materials may be developed or obtained from EPA, states, or other organizations and sources. Examples or descriptions of training materials being used must be included in the SWMP.

(c) Structural Control Maintenance

If BMPs include structural controls, maintenance of the controls must be performed at a frequency determined by the MS4 operator and consistent with maintaining the effectiveness of the BMP. The SWMP must list all of the following:

(1) maintenance activities
(2) maintenance schedules
(3) long-term inspection procedures for controls used to reduce floatables and other pollutants.

(d) Disposal of Waste

Waste removed from the MS4 and waste that is collected as a result of maintenance of storm water structural controls must be properly disposed. A section within the SWMP must be developed to include procedures for the proper disposal of waste, including:

(1) dredge spoil
(2) accumulated sediments
(3) floatables

(e) Municipal Operations and Industrial Activities

The SWMP must include a list of all:

(1) municipal operations that are subject to the operation, maintenance, or training program developed under the conditions of this section; and
(2) municipally owned or operated industrial activities that are subject to TPDES storm water regulations.

6.B. Program Implementation Overview:

The Pollution Prevention / Good Housekeeping minimum measure consists of Best Management Practices (BMPs) that focus on training and on the prevention or reduction of pollutant runoff from municipal operations.

The District has existing good housekeeping measures and non-structural BMPs that reduce the discharge of pollutants from the following municipal operations.

- street, road and highway maintenance
- fleet and building maintenance
- storm sewer system maintenance
- new construction and land disturbances
- vehicle and equipment maintenance and storage yards
- sand and ice rock storage locations

The District will be responsible for facility inspections. An example of facility inspects includes but is not limited to,TxDOT Environmental Affairs Division, Pollution Prevention Abatement Department (PPA) inspection of street, road and highway maintenance, fleet and building maintenance, municipal parking lots, and vehicle and equipment maintenance and storage yards. After a PPA inspection a Facility Operations Environmental Advisory Survey Report is completed and provided to the District.

Storm sewer system maintenance is achieved by street sweeping, vacuuming, and/or other maintenance activities determined by the District.

Where sand and ice rock storage locations exist within the MS4 Phase II boundary, TxDOT will follow the Spill Prevention Control and Countermeasure Plan (SPCC) located at the District, construction, or area office where applicable.
Within the permitted boundary, the urbanized area, the District does not operate or maintain the following municipal operations.

- park and open space
- waste transfer stations

All TxDOT employees responsible for municipal operations will attend training programs that focus on procedures for reducing the discharge or pollutants from municipal operations.

The District will address the inspection and maintenance of structural control measures as part or a systematic right-of-way (ROW) inspection conducted on an annual basis.

Dredge spoils, accumulated sediment and floatables removed from the MS4 will be stockpiled or disposed of in a local landfill or upland locations as necessary.

The District does not own or operate facilities subject to the TCEQ Industrial Storm Water Multi- Sector General Permit (MSGP). There are not TxDOT activities that are subject to the TCEQ MSGP.

Included in each BMP is a description of what records will be maintained and reported in the annual reports. As required by the permit, each BMP contains a detailed implementation schedule and measurable goals.

6.C. Best Management Practices and Measurable Goals:

A. Facility Inspections: The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit. A team from ENV's Pollution Prevention and Abatement (PPA) section will inspect maintenance facilities and the following program areas at each facility: solid waste management, hazardous waste management, used oil and oil filter management, used antifreeze management, used lead acid battery management, scrap tire management, general house keeping, equipment washing wastewater management, spill prevention control and countermeasure planning, and petroleum storage tank management. PPA will inspect and provide a Facility Operations Environmental Advisory Survey Report.

B. Employee Training: TxDOT district employees will attend at least of the following training classes per permit term: Hazardous Materials, Hazardous Communication, Small Quantity Spill Response, Herbicide Certification, and Storm Water Erosion. Descriptions of training classes:

Hazardous Materials: Prepare employees to safely load, unload, handle, store and transport hazardous materials and how to respond to accidents or incidents when transporting hazardous materials. Upon completion of this course, participants will be able to: explain the purpose of hazardous materials regulations; recognize the various methods to communicate hazard communication; explain the entries on a shipping paper or manifest and; determine placards required for shipment. This course is offered to all TxDOT employees.

Hazardous Communication: This course covers the Texas Hazard Communication Act. It provides comprehensive instruction in hazard communication. Upon completion of this course, participants will be able to: locate specific hazardous chemicals; properly use personal protective equipment for specific hazardous chemicals; and interpret labels and material safety data sheets. This course is offered to all TxDOT district employees.

Small Quantity Spill Response: This course provides the necessary training and information to safely respond to small spills of toxic materials which may occur in TxDOT laboratories or workplace situations. This course is offered to maintenance and construction personnel.

Herbicide Certification: The current Agriculture Code requires TxDOT employees to possess a valid, non-commercial, pesticide applicator's license prior to applying herbicide on the transportation system right-of-way, or on the grounds of any TxDOT building. The training prepares TxDOT employees to test for a non-commercial pesticide applicator's license from the Texas Department of Agriculture (TDA) and introduces TxDOT employees to TxDOT's herbicide program. This course is offered to maintenance personnel. This course is offered to maintenance personnel.

Storm Water Erosion: The course includes storm water design techniques, construction installation and inspection/maintenance practices needed by our design and construction staff and environmental coordinators. The course emphasizes erosion and sediment control practices for disturbed areas during construction. Construction Inspectors, Design Division and Design Engineers are required to take this course.

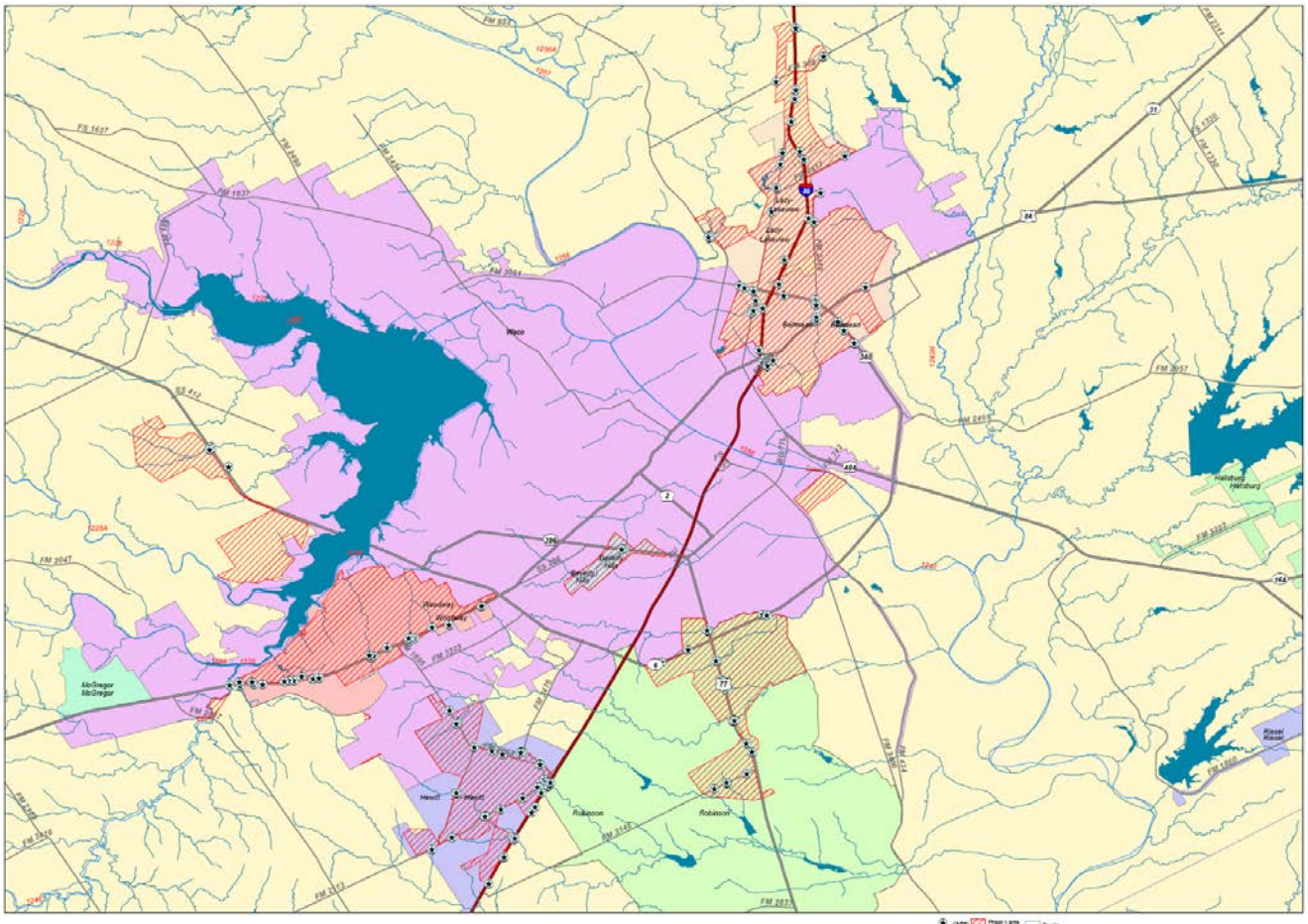
C. Roadway and ROW Inspection: TxDOT maintenance employees will drive the Phase II area to inspect structural and non-structural controls. TxDOT employees will create a report on the status of the structural and non-structural controls once per permit year.

D. Disposal of Waste: TxDOTs procedure for disposal of dredged spoil and accumulated sediment from structural controls is to dispose of sediment into an upland location or landfill that will not result in re-deposition of sediment into the system. Floatables that are collected will be disposed of in a municipal landfill.

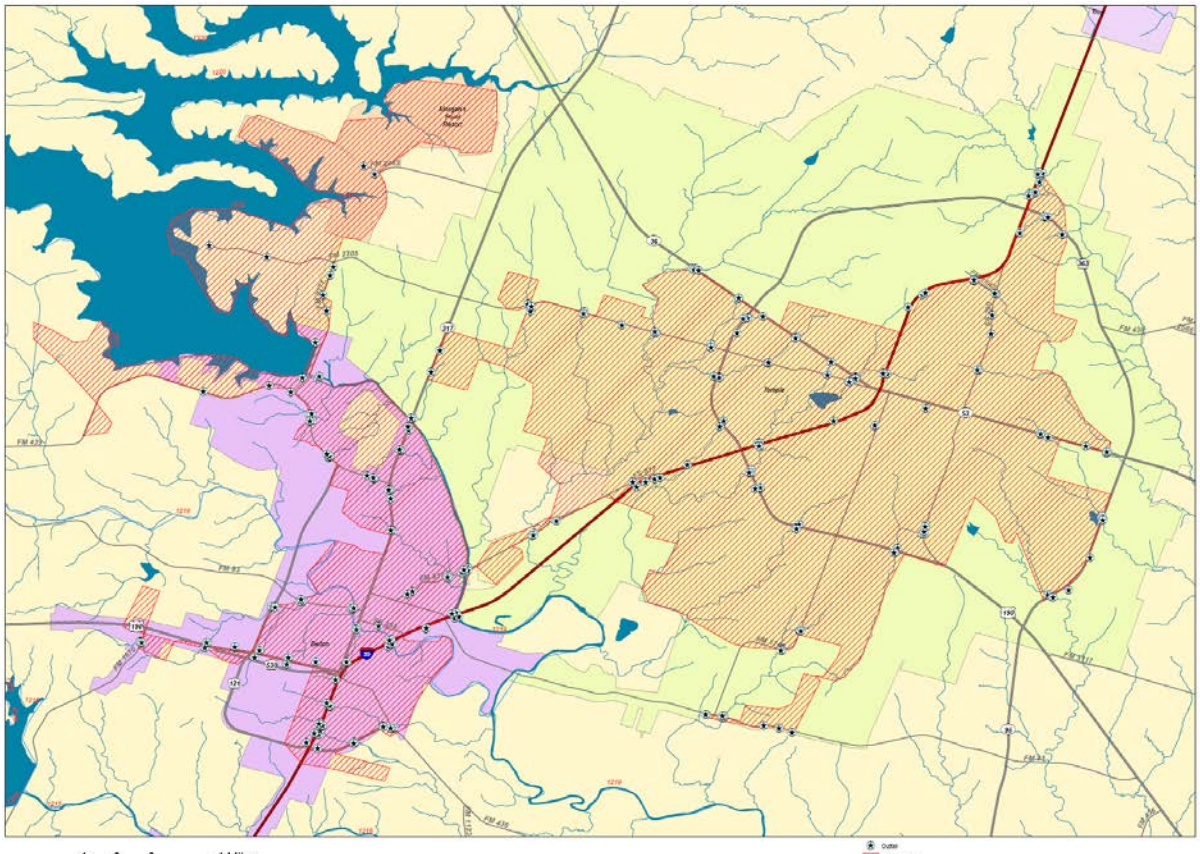
6.D. BMP Implementation Schedule & Responsible Party

Implementation Year	BMP	Activity	Records to be Maintained in Annual Reports
Year 1	Facility Inspections	Develop a plan for the District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Implementation of BMP will begin in Permit Implementation Year 2.
	Employee Training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively provide a list of the title and date of courses offered.
	Disposal of Waste	Develop a plan to collect litter and debris on high volume roadways by collecting litter and/ or street sweeping.	Implementation of BMP will begin in Permit Implementation Year 2.
Year 2	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).
	Employee Training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively provide a list of the title and date of courses offered.
	Disposal of Waste	Collect litter and debris on high volume roadways by collecting litter and/ or street sweeping.	Record volumes and nature of disposed waste.
Year 3	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).
	Employee Training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively provide a list of the title and date of courses offered.

Implementation Year	BMP	Activity	Records to be Maintained in Annual Reports
	Disposal of Waste	Collect litter and debris on high volume roadways by collecting litter and/ or street sweeping.	Record volumes and nature of disposed waste.
Year 4	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).
	Employee Training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively provide a list of the title and date of courses offered.
	Disposal of Waste	Collect litter and debris on high volume roadways by collecting litter and/ or street sweeping.	Record volumes and nature of disposed waste.
Year 5	Facility Inspections	The District will ensure inspections are completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit.	Provide a copy of the inspection report (i.e. Facility Operations Environmental Advisory Survey Report).
	Employee Training	TxDOT employees will attend at least one training class per permit term.	Provide a list of training courses with a copy of the class roster and date class was administered. Alternatively provide a list of the title and date of courses offered.
	Disposal of Waste	Collect litter and debris on high volume roadways by collecting litter and/ or street sweeping.	Record volumes and nature of disposed waste.



Waco District: Waco Urbanized Area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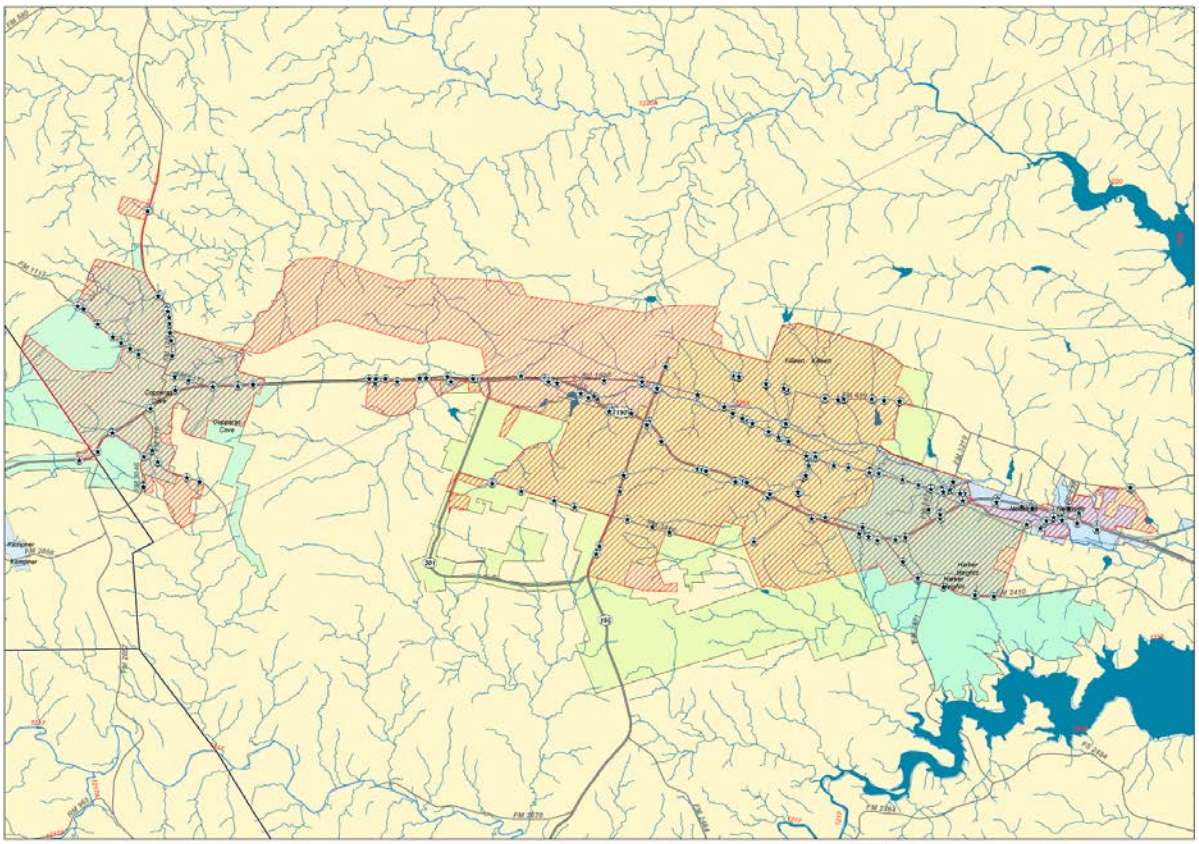
DISCLAIMER:
This map is the product of the Texas Department of Transportation. It was produced with the intent that it be used for the review of the referenced data at the original plotted scale. There are no warranties made as to the fitness of this map for any unlisted purpose or reproduction at any other scale.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ATTACHMENT 2

2.C. Adopt-A-Highway Program: Encourage volunteer litter collection activities at designated Adopt-A-Highway segments. Contact local Adopt-A-Highway groups and provide, when requested, educational materials related to storm water. The District will contact their Adopt-A-Highway coordinator to obtain a list of current Adopt-A-Highway groups.

County	**Dates**	**Miles of MS4 Affected**	**Cubic Yds of Material Removed (Each trash bag holds approximately 0.25 cubic yard of material)**
McLennan	Sept 1, 2015 - Nov 30, 2016	70	988 bags/4 = 247 cubic yards
Bell	Sept 1, 2015 - Nov 30, 2016	28	293 bags/4 = 73.25 Cubic Yards
Coryell	Sept 1, 2015 - Nov 30, 2016	15.4	204 bags/4 = 51 cubic yards

ATTACHMENT 3

3.B. BMP: Plan to Update Outfall Locations

During plan review, proposed new or relocated outfall locations were identified and tracked in the MS4 implementation database. Towards the end of the plan year, a site visit was made to those projects that have been constructed or have a significant portion of construction complete to field verify the change. The following information was collected during the site visit to update the OTS:

1) GPS coordinates

2) Outfall description

3) Picture

In addition, the DCO will alert the EC of any changes to outfalls noted during construction to ensure any design changes made during construction are included in the map update.

Measurable Goal: A report of the new/relocated outfalls was generated from the MS4 implementation database and included in the annual report. It will include the number of new and relocated outfalls that are delineated in updates to the OTS.

3.D. Plan for Dry Weather Screening Plan

Using consultant resources, a dry weather survey was conducted on 25% of the MS4 area in years 2 through 5 so that 100% of the MS4 area was surveyed prior to completion of the permit term.

Procedures: The portion of the MS4 area being surveyed by visibly inspecting outfalls during dry weather (no recent rain within the last 5 days). Potential non-storm water generators will be identified and at each potential illicit discharge, the surveyor will document the date of the survey, the location of the discharge, the source (if able to pinpoint), and any notable details concerning the discharge.

The District lacks internal legal authority to prohibit discharges of storm water runoff into our system, therefore, if there is an illicit discharge is detected, the District will attempt to notify the property owner and request that they eliminate the discharge. If the District is unsuccessful or if the source of the discharge cannot be identified at the limits of the TxDOT ROW, TxDOT will contact the local government with authority and/or contact TCEQ.

Measurable Goal: Both the observed illicit discharge as well as the follow-up action taken will be documented in the MS4 implementation database and a report will be generated for the annual report. The number of outfalls screened, the number of dry weather flows identified, and the outcome of any necessary follow-up actions that occur as a result of the screening activities will be reported. A map will be maintained showing the portion of the MS4 area that has been surveyed.

ATTACHMENT 4

4.C.A.2. Identifying and eliminating discharge from inadequate controls at construction sites outside of TxDOT ROW

Discharges to our MS4 from adjacent construction were identified through the dry

weather screening for illicit discharge detection and elimination during systematic right-of-way (ROW) inspections. The dry weather survey will be conducted on 25% of the MS4 area in years 2 through 5 so that 100% of the MS4 area will be surveyed prior to completion of the permit term. Any construction sites adjacent to TxDOT ROW that are observed to have inadequate controls were investigated as well.

Procedures: During dry weather screening surveys, the same portion of the MS4 area were surveyed for discharges from adjacent construction sites with inadequate controls. Evidence of a discharge from a site with inadequate controls were documented including the date of the survey, the location of the discharge, the source (if able to pinpoint), and any notable details concerning the discharge.

The District lacks internal legal authority to prohibit discharges of storm water runoff into our system, therefore, if there is evidence of a discharge from an adjacent construction site detected, the District will attempt to notify the property owner and request that they eliminate the discharge. If the District is unsuccessful or if the source of the discharge cannot be identified at the limits of the TxDOT ROW, TxDOT will contact the local government with authority and/or contact TCEQ.

Measurable Goal: Both the discharge form the adjacent site as well as the follow-up action taken will be documented in the MS4 implementation database and a report will be generated for the annual report. The number of construction sites that were identified and any follow-up actions that were taken as a result will be reported.

ATTACHMENT 5

5.A. BMP: Inspection & Maintenance of Control Measures

The current BMP inspection plan was evaluated and the following plan was developed to inspect and maintain control measures in the MS4 area. Maintenance needs of permanent control measures will be identified through systematic ROW inspections in conjunction with the dry weather screening for illicit discharge detection and elimination and the surveys for discharges from adjacent off-ROW construction projects. The ROW inspections will be conducted on 25% of the MS4 area in years 2 through 5 so that 100% of the MS4 area will be surveyed prior to completion of the permit term. In addition, the maintenance supervisor continued to routinely survey his area and respond to maintenance concerns as they arise.

In instances where maintenance is already planned and contracted, for instance mowing, the maintenance took place as routinely scheduled.

Procedures: During dry weather screening surveys, the same portion of the MS4 area was surveyed for maintenance needs for permanent controls. Identified areas of concern were documented, including the date of the survey, the location of the maintenance need, and the potential maintenance solution. The maintenance supervisor or other appropriate contact was notified of the concern and followed up with the action taken to address the concern.

Measurable Goal: Both the identified maintenance need as well as the follow-up action taken were documented in the MS4 implementation database and a report was generated for the annual report. The number of needs identified and the follow-up actions that were taken as a result was reported.

ATTACHMENT 6

Pollution Prevention and Good Housekeeping for Municipal Practices

6.C.A Facility Inspections:

The District ensured that inspections were completed once per permit term. An example includes but is not limited to PPA inspecting and providing a Facility Operations Environmental Advisory Survey Report at least once during the permit. A team from ENV's Pollution Prevention and Abatement (PPA) section will inspect maintenance facilities and the following program areas at each facility: solid waste management, hazardous waste management, used oil and oil filter management, used antifreeze management, used lead acid battery management, scrap tire management, general house keeping, equipment washing wastewater management, spill prevention control and countermeasure planning, and petroleum storage tank management. PPA will inspect and provide a Facility Operations Environmental Advisory Survey Report.

6.C.B Employee Training:

TxDOT district employees attended at least of the following training classes per permit term: Hazardous Materials, Hazardous Communication, Small Quantity Spill Response, Herbicide Certification, and Storm Water Erosion. Descriptions of training classes:

Hazardous Materials: Prepare employees to safely load, unload, handle, store and transport hazardous materials and how to respond to accidents or incidents when transporting hazardous materials. Upon completion of this course, participants will be able to: explain the purpose of hazardous materials regulations; recognize the various methods to communicate hazard communication; explain the entries on a shipping paper or manifest and; determine placards required for shipment. This course is offered to all TxDOT employees.

Hazardous Communication: This course covers the Texas Hazard Communication Act. It provides comprehensive instruction in hazard communication. Upon completion of this course, participants will be able to: locate specific hazardous chemicals; properly use personal protective equipment for specific hazardous chemicals; and interpret labels and material safety data sheets. This course is offered to all TxDOT district employees.

Small Quantity Spill Response: This course provides the necessary training and information to safely respond to small spills of toxic materials which may occur in TxDOT laboratories or workplace situations. This course is offered to maintenance and construction personnel.

Herbicide Certification: The current Agriculture Code requires TxDOT employees to possess a valid, non-commercial, pesticide applicator's license prior to applying herbicide on the transportation system right-of-way, or on the grounds of any TxDOT building. The training prepares TxDOT employees to test for a non-commercial pesticide applicator's license from the Texas Department of Agriculture (TDA) and introduces TxDOT employees to TxDOT's herbicide program. This course is offered to maintenance personnel. This course is offered to maintenance personnel.

Storm Water Erosion: The course includes storm water design techniques, construction installation and inspection/maintenance practices needed by our design and construction staff and environmental coordinators. The course emphasizes erosion and sediment control practices for disturbed areas during construction. Construction Inspectors, Design Division and Design Engineers are required to take this course.

6.C.D Disposal of Waste:

TxDOTs procedure for disposal of dredged spoil and accumulated sediment from structural controls is to dispose of sediment into an upland location or landfill that will not result in re-deposition of sediment into the system. Floatables that are collected will be disposed of in a municipal landfill.

Procedures: During dry weather screening surveys, the same portion of the MS4 area was surveyed for maintenance needs for permanent controls. Identified areas of concern were documented, including the date of the survey, the location of the maintenance need, and the potential maintenance solution. The maintenance supervisor or other appropriate contact was notified of the concern and followed up with the action taken to address the concern.

Measurable Goal: Both the identified maintenance need as well as the follow-up action taken was documented in the MS4 implementation database and a report was generated for the annual report. The number of needs identified and the follow-up actions that were taken as a result were reported.

Wichita Falls District

Wichita Falls District Phase II MS4 Report

Table 1: BMP Status and Measureable Goals

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 1 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 1 – Public Education and Outreach on Storm Water Impacts	Flyers and Brochures (Target Audience - Visitors, Public Service Employees, Construction Site Personnel)	Distribute educational materials during project public meetings and/or other local events the District attends that are in or serve the MS4 Phase II area. Materials will also be available at the TIC.	Record estimated quantities of material distributed and dates of public meetings/events where materials were distributed.	9/27/16: US 82 Stakeholder Meeting at WF District HQ - 15 Tex and Dot Coloring Books provided to attendee for youth group. 2/21/2017: Girl Scouts: 10 - Drive Clean Across Texas Bookmarks, 10 - Take Care of Texas Posters. (Susan Howard) 2/24/2017: United Way Chili Cook-off: 25 - Tex & Dot Coloring Books, 25 - Take Care of Texas Posters, 50 - Bookmarks, 15 - Get Streetwise Flyers, and 50 - Don't Mess With Texas Stickers. (James Reed) 2/25/2017: Boy Scouts of America (Adele Lewis)	Completed 2/25/17	Met Goal	N
MCM 1 - Public Education and Outreach on Storm Water Impacts	Distribute Materials to Local Schools (Target Audience - Visitors)	Contact at least one local elementary school served by the MS4 Phase II area and provide materials for public education or host an	Record date, name of school, and the estimated quantities of education materials distributed, or date educational	2/24/17: 25 - Take Care of Texas Sticker, 25 - Six Ways to Take Care of Texas (Recycle, Save Water, Conserve Energy, etc.) pamphlets, 10 - Water Recycles Posters	Completed 2/24/17	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 1 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
		or host an educational program.	date educational program was hosted.				
MCM 2 - Public Involvement and Participation	Report-a-Litterer Program	Hand out Report-a-Litterer Program information to employees and residents to encourage participation in the program.	Document where the program was promoted and how many promotional flyers were handed out.	8/31/2017: Approximately 220 TxDOT employees received an email with Report-a-Litterer information including how to help, ways to report a litterer, and litter facts.	Completed 8/31/17	Met Goal	N

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 1 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
MCM 4 - Construction Site Storm Water Runoff Control	SW3P Plan Review	District environmental staff will review construction plans for compliance with the TCEQ Construction General Permit No. TXR150000 and appropriate choice of BMPs for the site.	Provide a list of projects reviewed and a date comments on the SWP3 were made.	Five construction plans were reviewed for projects planned in the MS4.	10/2016-01/2017	N/A	N
MCM 6 – Pollution Prevention and Good Housekeeping	Facility Inspections	PPA or District HMC will inspect facilities and provide an	Retain a copy of the inspection report and the date corrective	**Tank, Valve & Pipe**		**Diked Area**	

MCM(s)	BMP (Indicate if New (N) or Revised (R), as necessary	Activities	Measureable Goals	Year 1 Milestones/Accomplishments	Status -Completed, -Not Started, -In Progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal -Exceeded Goal, -Did Not Meet Goal	Proposed Changes (Y) or (N) If Yes, submit NOC as needed and indicate date NOC submitted.
Housekeeping for Municipal Operations		inspection report.	actions are completed.	See attached		See attached	

Yoakum District

August 13, 2016 to November 30, 2016 MS4 BMP and Measurable Goals Status

MCM(s)	BMP Indicate if New (N) or Revised (R)	Activities	Measurable Goals	Year 4 Milestones/ Accomplishment/	Status -Completed, - Not started, - In progress Indicate start and completion dates, as appropriate, using mm/yyyy	Success -Met Goal, -Exceeded Goal, - Did Not Meet Goal	Proposed Changes (submit NOC as needed) (Y) or (N) If YES, Indicate Date NOC submitted
MCM 1 - Public Education and Outreach on Storm Water Impacts	Distribute Materials to Local Schools (Target Audience – Visitors)	Develop plan to contact one local school that is located in or relatively near the Phase II facility and provide, upon request, materials for public education.	Record date, name of school, estimated quantities and description of educational materials distributed.	Due to budget constraints and timing of scheduled events, TxDOT was unable to distribute educational materials (posters, tattoos, coloring books, wildflower seeds) regarding the prevention of storm water pollution to Victoria area schools within the MS4 area. TxDOT continued to utilize the “Texas is Not Your Ashtray” campaign.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 1 - Public Education and Outreach on Storm Water Impacts	Education of Construction Site Personnel (Target Audience - Construction Site Personnel, Public Service Employees)	Attend pre-construction meetings for projects that are in or serve the MS4 Phase II area and provide water quality materials.	Record date and projects where posters were distributed	No new construction projects were let within the MS4 area between Aug. 13, 2016 and Nov 30, 2016; therefore, no pre-construction meetings were held.	Completed 8/13/2016 – 11/30/2016	Met Goal	N

MCM 2 - Public Involvement and Participation	Adopt-A-Highway Program. Remove litter and other solid waste from the MS4 through Adopt-A-Highway events.	Remove litter and other solid waste from the MS4 area through Adopt-A-Highway events.	Document local group participation by recording the date of AAH events, number of miles within the MS4 affected area and estimated cubic yards of material removed.	Three AAH events were reported between Aug. 13, 2016 and Nov.30, 2016, covering approximately 3.5 miles of roadway within the MS4 area. Approximately. 12 bags of trash were collected for a total of 2.28 cubic yards of trash.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 3 - Illicit Discharge Detection and Elimination	Maintain and update the MS4 Outfall Inventory Map	Update the map with new drainage structures and outfalls as needed.	Conduct 1 review of the map per year.	There were no new or relocated outfalls. All outfalls have been mapped using TxDOT's Advanced Outfall Tracking System (AOTS).	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 3 - Illicit Discharge Detection and Elimination	MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Outfall screening and investigations for each outfall screened.	Screen 20% of the outfalls per year.	District personnel did not screen any outfalls within the Aug. 13 to November 30, 2016 timeframe. However, TxDOT maintenance crews regularly inspect roadways and outfall structures during their normal work day operations. No illicit discharges were reported to the TxDOT MS4 coordinator.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Construction SW3P Review and Permit Compliance	The plans reviewed and approved for construction under this program.	Review TxDOT construction plans that will result in the disturbances of greater than or equal to one acre, or are part of a common plan of development or sale that will result in the disturbance of one or more acres for compliance with the TCEQ CGP on an as needed basis.	All district plans are reviewed to ensure compliance with TCEQ's CGP.	Completed 8/13/2016 – 11/30/2016	Met Goal	N

MCM 4 - Construction Site Storm Water Runoff Control	Construction Site Inspection	The number of construction site inspections performed, construction sites active and subject to the TCEQ CGP and the number of corrective actions performed.	Conduct inspections according to the TCEQ CGP.	There were no active construction sites within the MS4 area during this reporting period.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Preconstruction Meeting	The number of preconstruction meetings held, the attendances, and the number of contractor comments submitted.	Conduct at least 1 preconstruction meeting for each TxDOT construction project subject to the TCEQ CGP.	No new construction projects were let within the MS4 area between Aug. 13, 2016 and Nov 30, 2016; therefore, no pre-construction meetings were held.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 4 - Construction Site Storm Water Runoff Control	Construction Site Notice Posting	The quantity of site notices posted and the number of public reports received and considered under this program.	Post an appropriate site notice at each TxDOT construction site subject to the TCEQ CGP.	There were no active construction sites within the MS4 area during this reporting period.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	New Highway Project Plans Review	Highway construction plans reviewed and approved under this program.	Review highway construction plans for the inclusion of appropriate post construction controls on an as needed basis.	All district plans are reviewed to ensure appropriate post construction controls are in place.	Completed 8/13/2016 – 11/30/2016	Met Goal	N

MCM 5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment	Systematic Inspection and Maintenance of Permanent Control Measures	Inspection records and documentation of maintenance activities performed as a result of the inspection process.	Conduct at least 1 inspection of control measures per year.	100% of the MS4 phase II area was surveyed. The entire MS4 area was mowed once during the reporting period. No erosion repair was conducted in the MS4 area.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Litter Collection	The estimated volumes of litter removed from each defined area.	Collect litter at least once per year for each identified roadway included in the program.	All identified roadways are included in the Adopt-A-Highway Program which collected 2.28 cubic yards of litter.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Pesticide and Herbicide Application	The appropriate licensing for TxDOT personnel responsible for the applications.	Maintain at least 1 licensed applicator if herbicide or pesticide is to be applied.	The District has 2 local personnel licensed to apply herbicides within the Phase II area.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Maintenance of Roadways	Road maintenance projects and the number of SW3P's developed and implemented.	Implement a 3P or SW3P on TxDOT roadway maintenance projects requiring formal plans and specifications.	Two new projects were developed within the MS4 area during the Aug 13. 2016 to Nov. 30, 2016 permit year: CSJ 0088-05-085 and 2350-01-059.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Spill Prevention Plans	The number of facilities with Spill Prevention Control and Countermeasure (SPCC) plans and the current status of each SPCC plan.	Maintain SPCC plans for permittee owned facilities requiring SPCC plans.	One TxDOT facility is located within the MS4 Phase II area. TxDOT Yoakum District updated the SPCC plan in March of 2016. The plans are good for five years and are annually updated when necessary (ie. new supervisor).	Completed 8/13/2016 – 11/30/2016	Met Goal	N

MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Employee Training Program	The number of employees trained.	Conduct at least one training program per permit term.	The new Advanced Outfall Tracking System training information is made available to employees through TxDOT's Sharepoint site. Five employees took at least one of eleven HazMat and/or Environmental training classes.	Completed 8/13/2016 – 11/30/2016	Met Goal	N
MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations	Systematic ROW Inspection Program	Inspection finding and resulting activities conducted under this program.	Conduct at least one systematic ROW inspection per year.	ROW inspections occur on a regular basis by TxDOT maintenance personnel.	Completed 8/13/2016 – 11/30/2016	Met Goal	N