



2019 Permit Year, Year 1

Town of Prosper  
Level 2, Phase II, MS4 Annual Report  
TXR040500

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# Phase II (Small) MS4 Annual Report

TPDES General Permit Number TXR040000

## A. General Information

Authorization Number: TXR040500

Reporting Year:   1  

Annual Reporting Year Option Selected by MS4:

Calendar Year           

Permit Year   X  

Fiscal Year:                    Last day of fiscal year: (          )

Reporting period beginning date:  12/14/18 

Reporting period end date:  12/13/19 

MS4 Operator Level:   2   Name of MS4:  Town of Prosper 

Contact Name:  James House, CESSWI 

Telephone Number:  214-218-9655 

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A copy of the annual report was submitted to the TCEQ Region YES  X   
NO        Region the annual report was submitted. TCEQ Region   4

## Introduction

The Town of Prosper is a growing community generally located in northwestern Collin County and partly in eastern Denton County with US 380 as its southern boundary, and is approximately 35 miles north of downtown Dallas. Prosper is a home-rule municipality, governed by a council-manager form of government. In 2010, the U.S. Census Bureau calculated Prosper's population at 9,423, and in 2019, Prosper had an estimated population of 28,039 (per the Town of Prosper Economic Development Corporation). The Town of Prosper has a projected build-out population of 70,000 residents.

Prosper has a land area of 27 square miles in the Northern Blackland Prairie ecoregion of North Texas. Stormwater from the Town falls in the Upper Trinity River basin with areas contributing to the Lewisville Lake watershed and the Lake Lavon watershed by means of Doe Branch, Wilson Creek, Rutherford Creek, and Parvin Branch.

This year, Town Stormwater staff have been very busy satisfying the Texas Pollution Discharge Elimination System (TPDES) requirements. We have increased the number of construction site inspections over the last year, ramped up our employee stormwater training program, and have been actively participating in regional stormwater groups.

Each year, there are numerous individuals within different Town Departments that work toward achieving overall Municipal Separate Storm Sewer System (MS4) permit compliance. Stormwater Program staff, are responsible for performing specific MS4 permit requirements such as public education/outreach activities, illicit discharge investigations, construction site inspections, Town facility inspections, etc. In addition, stormwater staff, are responsible for coordinating with various other Town Departments to ensure permit compliance measures are being followed on a Town-wide basis.

We are very excited to show our work and display our accomplishments.

Volunteers

### 2019 Spring Cleanup





**2019 Community Picnic Education and Outreach**



The Stormwater Utility Administrator, demonstrates the Town's watershed model.



Our new and improved stormwater booth was amazing!

### **2019 Christmas Festival**



## Objective of the Program

The objective of the Stormwater Management Program is to implement specific pollution prevention projects designed to improve the quality of the Town of Prosper's water resources to the Maximum Extent Practicable (MEP), particularly as it relates to improving the quality of discharges from Prosper's MS4. This leads to an overall goal of maintaining MS4 permit compliance, while simultaneously achieving water quality improvements in every Prosper stream reach, including those listed on the Texas Commission on Environmental Qualities' (TCEQ's) 303(d) list of impaired water bodies. It is Prosper's long-term goal to reduce pollutant loadings from the MS4 as much as possible so as to remove our section of Wilson Creek from the 303(d) list. Prosper's stormwater program is gaining momentum, and over the next few years we intend to make great strides to improve stormwater runoff from construction sites, industrial sites, commercial sites, and residential sites.

### **Parks at Legacy Housing Development (Prosper, TX)**



The Town's SWPPP inspector, submitted this photograph of BMPs' in action.

**Legacy Gardens Housing Development (Prosper, TX)**



The Town's SWPPP inspector, submitted this photograph of BMPs' in action.

**A. 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.):

	<b>Yes</b>	<b>No</b>	<b>Explain</b>
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		In compliance
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		In compliance

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		In compliance
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2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below (**See Example 1 in instructions**):

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
1 – Public Education, Outreach and Involvement	1.1 – Utility Bill inserts	Yes; Utility bill insert for 2019 went out all four quarters, to all customers with info regarding constituents of stormwater pollution and program contact info.
1 – Public Education, Outreach and Involvement	1.2 – Social Media	Yes; Facebook posts/Tweets with regards to the Stormwater Management Program and stormwater quality were posted in 2019.
1 – Public Education, Outreach and Involvement	1.3 – Town Website	Yes; Information is provided on the Town website and provides valuable information regarding stormwater topics as well as contact information.
1 – Public Education, Outreach and Involvement	1.4 – Reference Material at Town Library	Yes; Educational coloring books that feature “Gwendle the water quality duck”, and stormwater book marks were placed at the library and given out to children.
1 – Public Education, Outreach and Involvement	1.5 – Town Staff Education/Training	Yes; Continuing education with regards to Stormwater is paramount to a successful Stormwater program. Various Town Dept. staff meetings include instructional discussions on erosion control inspections and similar topics. Key staff have also received additional training/education through conferences and seminars.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
1 – Public Education, Outreach and Involvement	1.6 – Stormwater Hotline	Yes; Stormwater hotline is publicized on the Town website. A Stormwater email address has been established as well.
1 – Public Education, Outreach and Involvement	1.7 – Educational booths at Community Events	Yes; The Town’s Stormwater Utility Administrator provided information/demonstrated a watershed model at the Stormwater booth at the Town’s Community Picnic and Christmas Festival.
1 – Public Education, Outreach and Involvement	1.8 – Household Hazardous Waste Collection and Recycling	Yes; The Fire and Police departments hosted two drug take back events; the Town partnered with Progressive Waste Solutions for a Spring Cleanup and Recycling Event.
2 – Illicit Discharge Detection and Elimination	2.1 – Storm sewer map	Yes; Map allows for proper IDDE investigations and for timely emergency response. Map is updated regularly as our contract allows.
2 – Illicit Discharge Detection and Elimination	2.2 – Stormwater management ordinance – Illicit Discharge	Yes; The Town’s Stormwater ordinance was adopted in Dec. 2016. And is available for reference online on the Town’s Stormwater website.
2 – Illicit Discharge Detection and Elimination	2.3 – Illicit Discharge Investigation and Elimination	Yes; Investigations are used to locate/remove/prevent prohibited discharges as well as impacts to the MS4.
2 – Illicit Discharge Detection and Elimination	2.4 – Household hazardous waste collection and recycling	See BMP 1.8
2 – Illicit Discharge Detection and Elimination	2.5 – Stormwater hotline	See BMP 1.6

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
2 – Illicit Discharge Detection and Elimination	2.6 – Hazardous Material Spill Response	Yes; The Town responds to spills and employs spill prevention procedures/practices for proper handling, storage and disposal. The Town Fire Department is responsible for all spill response and abatement.
3 – Construction Site Stormwater Runoff Control	3.1 - Stormwater management ordinance – Erosion and Sediment Control Requirements	Yes; The Town’s Stormwater ordinance was adopted in Dec. 2016. And is available for reference online on the Town’s Stormwater website.
3 – Construction Site Stormwater Runoff Control	3.2 – Requirements for construction site contractors	Yes; Town has requirements listed in general notes (See Attachment C) which are incorporated into every set of civil plans in addition to an erosion control plan prepared by the design consultant. Additionally, requirements are discussed at every preconstruction meeting including exchanging contact information and determining responsible parties for BMP maintenance, etc.
3 – Construction Site Stormwater Runoff Control	3.3 – Construction site Inspections	Yes; Inspections of all construction sites occur multiple times per month. Issues noted during inspections are sent to appropriate parties for cleanup/repair/correction and are followed up with a detailed inspection report. Attachment C
3 – Construction Site Stormwater Runoff Control	3.4 – Receipt and Consideration of information from the public	Yes; A number of opportunities for the Town’s residents to contact town staff, including social media, hotlines, and staff contact info have been provided/updated to report discharges, complaints and to ask questions of staff.
4 – Post Construction for New and Redevelopment	4.1 – Engineering Design Requirements	Yes; The Town’s subdivision ordinance was updated in Summer 2017. An Engineering Drainage Design Manual was adopted in Dec. 2017.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
4 – Post Construction for New and Redevelopment	4.2 - Stormwater management ordinance – Post construction requirements	Yes; In addition to the Town’s Stormwater ordinance adopted in Dec. 2016, additional requirements are covered in updated Subdivision Ordinance and Drainage Design Manual. Copies are available for reference online on the Town’s website.
4 – Post Construction for New and Redevelopment	4.3 – Structural and Non-structural BMP maintenance	Yes; Components exist with guidance in the Town’s subdivision ordinance, stormwater ordinance as well as the Town’s Engineering manuals. The Town has implemented a structural and non-structural BMP maintenance program.
5 – Pollution Prevention/ Good Housekeeping	5.1 – Municipal best management practices	Yes; Procedures were developed for Town staff to minimize environmental impacts.
5 – Pollution Prevention/ Good Housekeeping	5.2 – Town staff training program	Yes; Staff provided job specific stormwater training to all Public Works employees. Building Inspections staff discusses erosion control related items at weekly meetings. The Town also participated in the workshops to help write and design the proposed Watershed Protection Plan for Lake Lavon being spearheaded by the NTMWD. All Town employees are encouraged to contact the Stormwater Utility Administrator with any environmental related questions.
5 – Pollution Prevention/ Good Housekeeping	5.3 – Audit municipal facilities and equipment for environmental management	Yes; A list of Town facilities is updated on an annual basis along with the potential negative impacts that could be associated with said facilities. Personnel responsible for those facilities ensure that they meet Town standards. Stormwater Utility Administrator inspects all facilities on a yearly basis. (Appendix D)

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
5 – Pollution Prevention/ Good Housekeeping	5.4 – Maintenance contractor requirements and oversight	Yes; Oversight ensures that the Town’s stormwater ordinance and SOP’s pertaining to stormwater are being followed by contractors hired by the Town.

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

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
1	1.1	Utility bill inserts	9,368	Monthly insert	No; Emphasis on public education focused on pet waste and bacteria will eventually reduce pollutants. As of 11/14/19, there are 9,368 active utility accounts.
1	1.8	Household hazardous waste collection and recycling	2	events	Yes; Collection events provide opportunities for residents to drop off wastes that keep them from entering our streams as well as landfills.
2	2.6	Hazardous Material Spill Response	0	Spill(s)	Yes; Fire Department responds to spills and accidents with subsequent spills. Fire reported that zero spills requiring TCEQ notification occurred in the past year. The Stormwater Utility Administrator

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
					responded to zero spills that required TCEQ notification.
3	3.3	Requirements for construction site contractors	79	Plans Reviewed	Yes; Town staff ensures plans show appropriate erosion control measures and detail for each Town construction project.
3	3.3	Construction Site Inspections	97 NOI's	NOI	Yes; Activities taking place on construction sites are reviewed as inspectors are on site to ensure compliance with all local, state and federal standards.
3	3.4	Receipt and Consideration of Information from the Public	97	Pre-Construction meetings	Yes; Pre-construction meetings allow for a forum with the local contractors and allow Town personnel a chance to review plans with appropriate personnel for specific job sites and requirements expected. These meetings make sure that proper contacts are known and that proper permits and erosion control measure will be in place before any construction activity will start.

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**):

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved If goal was not accomplished please explain</b>
1.1	Distribute informative utility bill inserts to 100% of active utility accounts	We achieved our goal, Utility Bill inserts went out quarterly to all utility customers within the Town limits. As of 11/14/19, there are 9,368 active utility accounts. 100% of active accounts are receiving inserts. We will maintain our goal.
1.2	Listed number of "friends to Town FB page, and number of "likes" on related posts	We achieved our goal, Facebook post with info regarding the Towns Stormwater Program and contact info was posted on 1/17/19 and 8/28/19. The Town Facebook page currently has 9,264 "likes" and 9,789 "follows" as of 12/04/19. The Facebook page can be found at <a href="https://www.facebook.com/prospertx.gov/">https://www.facebook.com/prospertx.gov/</a>
1.2	Analytical data for: January 17, 2019 FB Post	2,338 Reached, 175 Engagements, 1 Comment, 4 Shares and 10 Reactions.
1.2	Analytical data for: August 28, 2019 FB Post	1,758 Reached, 86 Engagements, 3 Shares, 25 Reactions.
1.2	Twitter Stats	3,200 Followers, 1,013 Page likes, 1,156 impressions, 9 engagements 6 media engagements and 1 detail expands. The last stormwater posts had: 28 likes, and 3 re-tweets.
1.3	Webpage/related links up and running	We achieved our goal, the website is currently up-to-date and will continuously be updated.
1.3	Description of material provided	We achieved our goal, information currently used is accessed via the website at public computers located within the Library. Stormwater related reference books available.
1.3	Description of material provided	We achieved our goal, stormwater themed coloring books and stormwater bookmarks are also available at the library. The books follow Wendel the Duck on his journey to protect water quality.
1.4	Establish a dedicated phone line for resident questions/complaints	We achieved our goal, a phone line has been dedicated and advertised on the Town website. Phone number for reference is (972)-569-1197.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved If goal was not accomplished please explain</b>
1.5	Getting the public involved with education and outreach	We achieved our goal, on March 21, 2019 the stormwater utility administrator presented the Town's watershed model to 560, 7 <sup>th</sup> grade students at Rogers Middle School.
1.6	Getting the public involved with education and outreach	We achieved our goal, on April 16, 2019 the stormwater utility administrator presented the Town's watershed model to 560, 7 <sup>th</sup> grade students at Reynolds Middle School.
1.7	Hold annual event to allow residents opportunity to participate in activities that promote stormwater quality and reduction of pollutants in Town's waterways	We achieved our goal, Town of Prosper Fire Department has partnered with Call2Recycle to collect batteries and cell phones. The Town also partnered with Progressive Waste Solutions in a spring recycling event held on March 30, 2019; this was also posted on the Town Facebook page. Residents also were able to drop off Christmas trees at Fire Station 1 through 1/15/19; Fire and Police also held a drug takeback event on 10/26/19.
1.8	Number of storm drain inlets that have "no dumping drains to creek" inlet markers.	Goal in progress, stormwater staff plan to mark 100 inlets per year for the next five years. We will mark our first 100 storm drain inlets this spring when the weather is favorable.
2.1	Creation of a storm sewer map to show locations of existing storm sewer in addition to storm outfalls in relation to names of receiving bodies of water/waters of the U.S. Include locations and names of all surface waters receiving discharge from these outfalls.	We achieved our goal, the map is currently created and in use for Town staff. Map is updated as plans come in, as areas are reviewed and as other layers are needed within the constraints of our contract with the City of Frisco's GIS Maintenance.
2.2	Create ordinance to give Town of Prosper authority to eliminate illicit	We achieved our goal, ordinance was passed by Town council on 12/13/16. Ordinance is publicized on the Town website.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved If goal was not accomplished please explain</b>
	discharges and issue fines as needed.	
2.3	Number of SWPPP inspections performed. We will perform an average of 50 SWPPP inspections per month.	Staff performed 548 site inspections which is an average of 45.6 inspections per month. Which exceeded our number of inspections reached last year of 402. Stormwater staff increased the number of inspections by 27% compared to last year. We will continue to work on reaching our goal of 50 inspections per month.
2.3	Record the number of compliant sites.	We achieved our goal and recorded 406 compliant sites.
2.3	Record the number of site warnings.	We achieved our goal and recorded 89 site warnings.
2.3	Record the number of Notice of Violations.	We achieved our goal and recorded 53 Notice of Violations.
2.3	Record the number of Stop Work Orders.	We achieved our goal and staff recorded 2 stop work orders this reporting year.
2.4	Hold annual event to allow residents opportunity to participate in activities that promote stormwater quality and reduction of pollutants in Town's waterways.	We exceeded our goal, Town of Proper Fire Department has partnered with Call2Recycle to collect batteries and cell phones. The Town also partnered with Progressive Waste Solutions in a spring recycling event held on March 30, 2019; this was also posted on the Town Facebook page. Residents also were able to drop off Christmas trees at Fire Station 1 through 1/15/19; Fire and Police also held a drug takeback event on 10/26/19.
2.5	Establish a dedicated phone line for resident's questions/complaints.	We achieved our goal a phone line has been dedicated and advertised on the Town website. Phone number for reference is (972)-569-1197.
2.6	Provide annual Haz-mat training to Fire Department staff that includes topics covering stormwater quality impacts and preventing	We achieved our goal, the Fire Dept. has conducted a Haz-mat training this year. Currently, a minimum of 1 certified Haz-mat technician is on shift at all times.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved If goal was not accomplished please explain</b>
	spills from entering the storm drain system and waterways. Document annual training provided.	
3.1	Create ordinance to give Town of Prosper authority to require implementation of erosion and sediment control BMP's.	We achieved our goal, the ordinance was passed by Town Council on 12/13/16. Ordinance is publicized on the Town website.
3.2	<p>A: Develop construction plan review checklist to use during plan review process. Require consultants to prepare plans in accordance with stormwater ordinance and per our checklist.</p> <p>B: Develop procedures to 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.</p>	<p>A. All construction site plans are reviewed by Engineering staff for a multitude of criteria including stormwater related concerns. Plans are not released until a pre-construction meeting is held with all pertinent contractors (grading, utility, paving) so as to review plans and guidelines. Engineering design documents and standards are posted on the Town's website for completion and review of all proposed construction projects. The Town's general notes, pre-construction forms, and land disturbance permit are reviewed annually and updated as needed.</p> <p>B. Inspections for grading, utilities, streets, and others as necessary are scheduled through the Director of Public Works with a 24 hour minimum notice. Engineering staff check and review BMP's to make sure they are properly installed and working as intended. BMP's are installed per approved plans, appropriate grading permits, and proper TCEQ Construction General Permit coverage are required before any activities can take place on a site.</p>
3.3	Develop and implement inspection and enforcement program	We achieved our goal, during inspection, BMP's are checked and reviewed to make sure they are properly installed and working as intended. If deficiencies are noted during any inspection, Stormwater staff write a comprehensive inspection report and notify someone on site and/or responsible parties (i.e.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved If goal was not accomplished please explain</b>
		Developers/builders) by phone and/or email in order to get BMP's back into compliance.
3.4	Development of a program to receive input from the Public regarding procedures as it relates to construction site runoff. Review and consider public input, and incorporate into procedures as appropriate.	We achieved our goal, Town staff is available at Pre-construction meetings to answer questions from contractors and allow contractors to give their opinions/insights. Town also utilizes a Facebook page as well as a stormwater email address and hotline for questions/comments/concerns. Lastly, the Town website is updated with stormwater information for public review.
4.1	Creation of post-construction runoff control guidelines within Engineering Design manuals.	<p>The Town of Prosper's Engineering Department is responsible for the review and approval of all new construction and reconstruction projects within the Town limits. The Engineering Department assists developers and design engineers in assuring that all public improvements for construction are designed to meet current Town standards, specifications and details as well as State and Federal guidelines. The Town of Prosper's Engineering Department reserves the right to request additional information necessary to complete the review of specific development projects in addition to the information required by the Town's submittal guidelines.</p> <p>Engineering Drainage Design Manual and updated Subdivision Ordinance were adopted in 2017 providing guidelines to address post-construction stormwater runoff controls.</p>
4.2	Create ordinance to give Town of Prosper authority to require post-construction stormwater runoff controls.	We achieved our goal, our stormwater ordinance was passed by Town Council on 12/13/16. The stormwater ordinance is publicized on the Town website.
4.3	Development of program to create public/private partnerships for	We achieved and will maintain our goal. Engineering design manual as well as the Town's subdivision ordinance are currently

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved If goal was not accomplished please explain</b>
	maintenance of post-construction BMPs. Creation of O&M documents to distribute to developers and HOAs.	being updated. Currently, Engineering staff is working on a case by case basis to ensure proper design and maintenance activities are addressed. Town requires detention/retention and is working on a few projects with bio-swales and bio-retention. Stormwater staff currently works with private business owners, HOAs and Town residents to maintain post construction BMPs.
5.1	Develop procedures for Town staff to implement in routine maintenance of municipal operations.	We achieved our goal, Parks and Rec. and Public Works both operate in ways such that potential stormwater impacts are minimized. Personnel responsible for each site ensure sites are kept in good condition. All Town projects/facilities are held to higher standards than would be required of private development.
5.2	Update training program and train all employees, and train employees who are directly involved in the maintenance of municipal operations.	We achieved our goal, all Public Works employees were required to watch a "how to spot stormwater pollution" produced by the NCTCOG with the Stormwater Utility Administrators contract info attached. Stormwater staff is working on developing new job specific stormwater trainings.
5.3	Yearly assessments of current activities are conducted in order to identify positive and negative water quality activities.	We achieved our goal, our yearly assessment has been completed. SOP's that are currently in place dictate materials are stored and facilities operate in a fashion to minimize stormwater impacts. The Town does not operate its own fueling facility and does not do its own fleet maintenance. All maintenance work done on fleet/heavy machinery is sent out for service. (Attachment D)
5.4	Complete development of new standard contract language that includes appropriate reference to standard operating procedures and storm water plans. Include standard contract	We achieved our goal, changes are made to contract language as necessary per project to maintain compliance with all local/state/federal laws and regulations, stormwater control measures, good housekeeping practices, and facility specific stormwater management operating procedures implemented by the Town.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved If goal was not accomplished please explain</b>
	language and SOPs in all new contracts.	

## **B. 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))*

During construction site inspections, the stormwater utility administrator will notify contacts via email of issues noted that need attention. Currently, the staff member doing stormwater inspections has previous experience from multiple municipalities/government agencies in various states in looking for and correcting illicit discharges/ordinance violations. Attachment C shows the concerns noted at construction sites and the corrective actions required by the Town as well as follow updates to ensure corrective measures were taken.

## **B. Impaired Waterbodies**

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

The Town of Prosper has a portion (approximately 2.72 miles) of Wilson Creek (0821C\_01) impaired for bacteria (Category 5c) first characterized in 2010. Since this creek is in category 5c, no TMDL for it is currently established. A FOG program has been implemented on by Public Works and Engineering to address discharges of concern to the entire Town. The area in which the impaired segment lies is heavily built out as single family residential so the Town is focusing on residential and community education at this time. Additionally, the Town is participating with the NTMWD and

other concerned stakeholders as part of the proposed Watershed Protection Plan for the Lake Lavon Watershed.

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

Not Applicable

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

<b>Benchmark Parameter</b> <i>(Ex: Total Suspended Solids)</i>	<b>Benchmark Value</b>	<b>Description of additional sampling or other assessment activities</b>	<b>Year(s) conducted</b>
		Not Applicable	

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

<b>Benchmark Parameter</b>	<b>Selected BMP</b>	<b>Contribution to achieving Benchmark</b>
	Not Applicable	

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

<b>Description of bacteria-focused BMP</b>	<b>Comments/Discussion</b>
Community Education	Improve water quality within the watershed through public education and outreach of various topics related to

<b>Description of bacteria-focused BMP</b>	<b>Comments/Discussion</b>
	stormwater. Mainly the implementation of our "Scoop the Poop" program.
Watershed Protection Plan	Gave input in the Watershed Protection Plan for the Lake Lavon Watershed that was spearheaded by the North Texas Municipal Water District.
Illicit Discharge Detection and Elimination Program Inspections	Improve water quality within the watershed through storm sewer maintenance and inspection to identify and correct illicit discharges or connections.
FOG Program	Stormwater staff have begun a database of used cooking oil containers and have started inspecting containers as time permits. Businesses with containers that are leaking/dripping are contacted and required to clean up all spillage.

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

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

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

<b>Benchmark Indicator</b>	<b>Description/Comments</b>
Number of illegal dumping incidents.	Prosper code compliance responded to 6 cases of illegal dumping this year.
Number of education and outreach opportunities conducted.	Stormwater staff set up the stormwater education and outreach booth at one additional event this year.
Number of complaints on the stormwater hotline.	This year the stormwater hot line has received more complaints than the last three years combined.

### **C. 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)):*

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
2	2.3 - IDDE	Conduct investigations to determine the source of illicit connections and illegal dumping activities. Follow procedures to remove source of the illicit discharge, and issues fines as needed.	Stormwater program staff have made standard operating guidelines for finding, tracking and stopping illicit discharges. The Town also utilizes GIS mapping technology to track any illicit discharge that may occur.
3	3.3 – Construction Site Inspections	Continue to implement inspection and enforcement program	The Town has a vibrant SWPPP inspection program that is aimed at achieving total compliance while improving water quality.
4	4.1 – Engineering Design Requirements	Creation of post-construction stormwater runoff control guidelines with Engineering Design Manuals	Continue working on updating and adopting design manuals with regards to drainage and stormwater so a formal program post construction program can continue to thrive.
4	4.3 – Structural and non-Structural BMP Maintenance	Development of program to create public/private partnerships for maintenance of post-construction BMPs. Creation of O&M	Update O&M measures for post-construction requirements and development of public/private partnerships for long term maintenance of post-construction BMP's. Maintaining list of HOA contact

MCM(s)	BMP	Stormwater Activity	Description/Comments
		documents to distribute to developers and HOAs.	info as well as list of features throughout the Town.

**D. 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)
		Not applicable

**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.):

**E. 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))

X Yes \_\_\_ 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: The Town of Prosper contracts with the City of Frisco to utilize their GIS personnel. The Town submits plans to Frisco's personnel to have the layers updated as they come in and are ready to be submitted.

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

Yes  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: NA Permittee: NA

## F. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Notices of intent and site notices received; Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(h)) 97

2a. Does the permittee utilize the optional 7<sup>th</sup> MCM related to construction?

Yes  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

## G. 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: Harlan Jefferson Title: Town Manager

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name of MS4 Town of Prosper, TX

Name: Hulon T. Webb Jr., P.E. Title: Director of Engineering Services

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: James House, CESSWI, CSI Title: Stormwater Utility Administrator

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## **ATTACHMENT A**

## **ATTACHMENT B**

## **ATTACHMENT C**

## **ATTACHMENT D**