

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040542

Reporting Year (year will be either 1, 2, 3, 4, or 5): 7 (permit renewed but renewal process not yet completed)

Annual Reporting Year Option Selected by MS4:

Calendar Year 2020

Permit Year 2020

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

Reporting period beginning date: (month/date/year) 1/1/2020

Reporting period end date (month/date/year) 12/31/2020

MS4 Operator Level: 3 Name of MS4: Town of Flower Mound

Contact Name: Joseph Whiteley Telephone Number: 972-874-6354

Mailing Address: 2121 Cross Timbers Road Flower Mound, TX 75028

E-mail Address: joseph.whiteley@flower-mound.com

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

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		The new SWMP was submitted to the TCEQ for the permit renewed in January 2019 and once the permit renewal process is finalized we will fully adopt that version of the SWMP.
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		Town staff maintains records for all datasets referenced within the annual report
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		The Town has met all eligibility requirements

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

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
1: Public Education, Outreach and Involvement	Municipal Channel Stormwater Quality Messages	Yes, we have added some new PSAs and the feedback we receive from residents indicates that the FMTV municipal channel BMP is still an effective education and outreach tool.
1: Public Education, Outreach and Involvement	Municipal website and stormwater quality information	Yes, the feedback we receive from residents indicates the BMP is still effective.

1: Public Education, Outreach and Involvement	Anti-Littering/Dumping Brochure	Yes, the feedback we receive from residents and contractors indicates the BMP has relevant information. Brochures continue to be periodically disseminated with notices of violation and/or citations.
1: Public Education, Outreach and Involvement	Watershed Address Program	Yes, areas where watershed signs are located are near water bodies and are effective at informing the public about the different parts of their watershed and how illegal dumping and illicit discharges negatively impact the watershed.
1: Public Education, Outreach and Involvement	Storm Drain Labeling	Yes, the BMP serves as an effective public education tool by informing residents and contractors that the inlets are not part of the sanitary sewer system. New storm drain labels are added as new inlets are constructed and when inlets are discovered that have a missing label.
1: Public Education, Outreach and Involvement	Comply with State and Local Public Notice Requirements	Yes, the Town of Flower Mound continues to comply with State and Local Public Notice Requirements.
1: Public Education, Outreach and Involvement	Community Source Water Protection Program	Yes, the BMP provides valuable and quantifiable water quality data. This data is a tool used by Texas State University and the Town to evaluate the overall health of the surface water in the state of Texas. Staff continues to run the program for sampling locations within city limits.
2: Illicit Discharge Detection and Elimination	Storm Sewer System Map	Yes, the map continues to be updated as new outfalls and inlets are built. It is a useful tool to identify and eliminate illicit discharges.
2: Illicit Discharge Detection and Elimination	Develop an Illicit Discharge Detection and Elimination (IDDE) Program	Yes. A dry-weather sampling program has been created to establish baseline water quality parameters. Locations throughout the watershed are being sampled periodically.
2: Illicit Discharge Detection and Elimination	Develop and Maintain an Illicit Discharge Document	Yes, illicit discharges and other stormwater related violations are tracked and documented through our internal TRAKiT database. TRAKiT is also being used to generate documents for our stormwater reports.

3: Construction Site Stormwater Runoff Control	Evaluate and Update Regulatory Authority and Procedures	Yes, our process has allowed for the evaluation of procedures and provides staff with the regulatory authority to enforce stormwater ordinances. The Town has divided stormwater oversight between our Environmental Services, Construction/Building Inspections, and Public Works Departments. Environmental Services and Construction/Building Inspections oversee new private development and Public Works is responsible for the oversight of Capital Improvement Projects (CIP).
3: Construction Site Stormwater Runoff Control	Construction Site Reporting Hotline	Yes, the construction site reporting hotline continues to receive calls about stormwater non-compliance items at construction sites.
3: Construction Site Stormwater Runoff Control	Develop and Maintain a Construction Site Inventory Document	Yes, Town staff currently has a construction site inventory document that is updated as developments are permitted and/or completed. Our TRAKiT database has had a custom report created that will automatically compile all ground disturbing activity within the Town.
4: Post-Construction Stormwater Management in New Development and Redevelopment	Comprehensive Stormwater Ordinance	Yes, since the adoption of the Stormwater Ordinance staff has used it to enforce stormwater violations through notices and citations. Cases are created and filed using our TRAKiT system.
4: Post-Construction Stormwater Management in New Development and Redevelopment	Evaluate and Update Stormwater Inspections Programs	As previously mentioned, we have also delegated stormwater oversight for CIP to our Public Works Department. Our Environmental Services Department and Construction/Building Inspections Division will continue to have oversight of private development. Having Public Works regulate CIP will increase the effectiveness of stormwater inspection program.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Facility Specific Standard Operating Procedures (SOPs)	Currently, we have SOPs created for Town facilities. Standard operating procedures are created for new facilities as they are constructed throughout the Town.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Facility and Stormwater Controls Map	Yes, the Town currently has a layer in ArcGIS dedicated to Town facilities and their associated stormwater controls. The previously mentioned map is updated as new facilities and controls are constructed.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Operations and Maintenance (O&M) Program	Yes, all Town departments undergo training to recognize pollutants of concern from O&M activities.

5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Facility Inventory	Yes, Town staff has an inventory of all Town facilities. Updates to the facility inventory are made as needed.
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3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable. Summarize any information used (such as visual observation, amount of materials removed or prevented from entering the MS4, or if required monitoring data, etc.) to evaluate reductions in the discharge of pollutants. You may use the table (**See Example 2 in instructions**):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
1: Public Education, Outreach and Involvement	Municipal Channel Stormwater Quality Messages	Stormwater messages through FMTV	There were four (4) stormwater related messages in 2020. One (1) was posted on FMTV and three (3) distributed over social media due to COVID-19 limitations.	Number of messages	Yes, social media and FMTV allows residents to educate themselves about stormwater quality and water conservation.

1: Public Education, Outreach and Involvement	Anti-Littering/ Dumping Brochure	Brochure distribution through education events and enforcement*	The town sent educational videos to thirteen (13) second grade teachers and was able to educate four-hundred and six (406) students before the COVID-19 shutdown.	Number of education events *Due to COVID-19 related concerns, this metric was altered to reflect educational events rather than brochure distribution.	Yes, staff hands out brochures and educates the public about stormwater quality and watershed protection during education events and through the public education process.
1: Public Education, Outreach and Involvement	Watershed Address Program	Placement of watershed signs	Twenty-two (22) signs (11 locations) were added in 2020	Number of signs added.	Yes, signs help make public cognizant of local watersheds.
1: Public Education, Outreach and Involvement	Storm Drain Labeling	Storm Drain labeling as new inlets are added	Inlets were inspected and 52 new labels were added	Number of labels added.	Yes, storm drain labels make public cognizant of local creeks.
1: Public Education, Outreach and Involvement	Community Source Water Protection Program	Continued monthly sampling	5 active volunteers.	pH; DO; conductivity; temperature	Yes however, a numerical value cannot be assigned. Samples are taken once a month at the same time and date. To date, all samples have returned indicating healthy water bodies.
2: Illicit Discharge Detection and Elimination	Storm Sewer System Map	Updating map, if necessary	In 2020, 26,377 feet of gravity main, 35 manholes and 237 storm inlets were added.	Inlets; outfalls;	Yes, this allows staff to recognize potential areas for illegal dumping and illicit discharges.

2: Illicit Discharge Detection and Elimination	Develop an Illicit Discharge Detection and Elimination Program	Periodic dry weather sampling	Locations throughout the Town are sampled periodically	pH; DO; conductivity; temperature; turbidity, odor, color, floatables	Yes, our dry weather sampling program allows us to establish baseline water quality parameters for locations throughout the Town of Flower Mound.
2: Illicit Discharge Detection and Elimination	Develop and Maintain an Illicit Discharge Document	Create cases and add to document, when needed.	20 cases related to Stormwater – Illicit Discharges. 15 were residential/commercial and 5 were construction.	Number of cases	Yes, this document allows staff to track illicit discharges.
3: Construction Site Stormwater Runoff Control	Evaluate and Update Regulatory Authority and Procedures	Update stormwater policy & procedures, if necessary	Updated process for permitting single family dwelling permits to ensure that lots that disturb over 1 acre are noted.	Updates	Yes, staff continues to evaluate internal policies to reduce discharges.
3: Construction Site Stormwater Runoff Control	Construction Site Reporting Hotline	Continue monitoring hotline	13 calls in 2020	Number of calls from the hotline	Yes, staff continues to use the hotline to monitor illegal dumping/illicit discharge calls.
3: Construction Site Stormwater Runoff Control	Develop and Maintain a Construction Site Inventory Document	Continue to update the construction site inventory document, when needed.	A custom database report is used to quickly view all active sites.	Updates to the document	Yes, this inventory allows for a more efficient inspection process.

4: Post-Construction Stormwater Management in New Development and Redevelopment	Comprehensive Stormwater Ordinance	Continue enforcement of stormwater ordinance through notices and citations.	3 citations and 13 notices of violation were issued relating to stormwater – illicit discharge in 2020	Number of citations and notices of violation	Yes, staff continued enforcement of the ordinance in 2020.
4: Post-Construction Stormwater Management in New Development and Redevelopment	Evaluate and Update Stormwater Inspections Programs	Continued evaluation of the program through meetings and update, if needed.	Three (3) meetings to update the stormwater inspection program – two (2) with Public Works and one (1) with GIS.	Number of meetings	Yes, meetings were held periodically throughout the year.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Facility Specific Standard Operating Procedures (SOPs)	Continue to create Standard Operating Procedures	Six (6) SOPs were reviewed by Town staff in 2020.	Number of SOP's reviewed.	Yes, staff has developed an SOP template for town facilities.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Facility and Stormwater Controls Map	Create a map of town facilities with associated stormwater controls for each facility.	Stormwater control inventory was added to map.	Facilities and stormwater controls added to the map	No, this BMP does not directly relate to activities taken in the field or training of staff.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Operations and Maintenance Program	Develop an O&M program through training materials and procedures.	Fourteen (14) departments (227 employees) received virtual training due to COVID-19 precautions.	Number of employees trained	Yes. It helps staff to identify issues at Town facilities to prevent stormwater pollution.

5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Facility Inventory	Develop a spreadsheet document an inventory of all Town of Flower Mound facilities.	One new facility was added in 2020 (not inaugurated until 2021). Resolved inventory with existing controls.	Facilities added to the inventory	Yes, this allows staff to document potential stormwater impacts from town facilities.
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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
1	Post 3 stormwater quality messages.	Met goal- 4 stormwater quality messages
1	Update and maintain the stormwater website.	Met goal - The stormwater webpage was updated as needed.
1	Anti-littering/dumping brochure.	Met goal- Town Staff handed out brochures with enforcement actions.
1	Continue sign placement.	Met goal- 22 signs were placed at 11 locations
1	Continue the storm drain labeling program.	52 new storm drain labels were placed.
1	Comply with state & local rules.	Met goal- Town continues to comply with state and local rules.

1	Continue program, training and providing technical services.	Met goal- Town staff has continued to supply and utilize citizens for watershed monitoring.
2	Periodically update map.	Met goal - Updates continue to be made.
2	Research and develop an Illicit Discharge Program.	Met goal- Dry-weather sampling locations have been identified around the Town which are currently being sampled periodically.
2	Develop and maintain an Illicit Discharges document.	Met goal- TRAKiT is currently used to track all stormwater non-compliance cases in Flower Mound.
3	Update inspection program and ordinance, if necessary.	Met goal- Updates are added to our inspection program when issues arise in the current process.
3	Monitor hotline.	Met goal- Calls continue to be received by residents that have observed stormwater violations within Town limits.
3	Maintain and update stormwater inventory document.	Met goal- The Town's stormwater inventory document was maintained throughout the year
4	Enforce all provisions of the stormwater ordinance. Update, if necessary.	Met goal- Ordinance is continuously reviewed and amendments will be made when deemed necessary.
4	Provide for periodic inspections for targeted locations.	Met goal- Sites are continuously inspected by Town staff. Non-compliance items are often caught during inspections and corrective measures are enacted.
5	Develop SOP(s) annually for dedicated facilities.	Met goal - 6 SOPs were reviewed and updated in 2020
5	Collect data and start developing map.	Met goal- Map has been created. Updates are made when new controls are constructed within the Town
5	Develop Operations and Maintenance Program training materials.	Met goal- Town staff was trained to increase general stormwater awareness.
5	Develop a MS4 Facility Inventory.	Met goal- Facility Inventory has been developed. Updates are made when new facilities are added.

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))

Sampling was conducted by the Town of Flower Mound in 2020 as part of the implementation of the dry weather screening program. In addition, Citizen Scientists from our Texas Stream Team program provide our Stormwater Department with water quality data.

During 2020 the Town inspected 236 inlets, 5 outfalls, and 5 manholes. No items of concern were noted during infrastructure inspections. Staff also responded to several reports from citizens of illicit discharges in local waterways from residential and construction-related sources. Biological processes, such as a bio-sheens and algae growth, are often mistaken by our residents as water pollution.

D. Impaired Waterbodies

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

In 2020 the Town continued its dry weather sampling program. Our dry weather sampling program consists of strategically chosen sampling locations throughout the Town that will monitor seven (7) water quality parameters. The dry weather sampling will allow us to determine baseline values for each location, as well as providing continuous monitoring of pH levels for streams which discharge into Grapevine Lake.

In addition, Citizen Scientists from our Texas Stream Team program provide our Stormwater Department with water quality data, including pH data.

- 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 to the Town of Flower Mound

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

Benchmark Parameter <i>(Ex: Total Suspended Solids)</i>	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
pH level	< 9	According to the 2018 Texas Integrated Report Index of Water Quality Impairments, Grapevine Lake has been listed as impaired due to the pH level since 2012. It is listed as 5c which means no TMDL has been created. Streams discharging into Grapevine Lake will continually be monitored at predetermined sampling sites under our Dry Weather Sampling Program to ensure that the Town is not contributing to the pH impairment.	6

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

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
pH level	Sampling/monitoring and public education.	Water quality information will continue to be disseminated by multiple methods and will allow for the determination of baseline levels of pH in the streams discharging into Grapevine Lake. If any streams are found to have consistently high pH this will help us to determine potential sources of pollution.

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

Description of bacteria-focused BMP	Comments/Discussion
Not applicable	

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

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

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

Benchmark Indicator	Description/Comments
Number of educational opportunities conducted	The Town sent educational videos to 13 second grade teachers and educated 406 students across 4 schools before the COVID-19 shutdown.
Illegal discharge detection through dry screening	236 inlets, 5 manholes, and 5 outfalls were inspected. The Town’s dry weather sampling program was conducted again in 2020 with 38 locations around the Town.

E. Stormwater Activities

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

MCM(s)	BMP	Stormwater Activity	Description/Comments
1: Public Education, Outreach and Involvement	Municipal Stormwater Quality Messages	Post 3 stormwater quality messages	The Town plans to educate the public regarding stormwater quality and pollution prevention by posting to social media and Flower Mound TV
1: Public Education, Outreach and Involvement	Municipal Website with stormwater quality information	Review the website and add the annual report and SWMP each year.	The Town plans to add the annual report and revised SWMP to the website each year and will update other stormwater pages as necessary.
1: Public Education, Outreach and Involvement	Watershed Address Program	Continue inspection of signage per 10 year traffic sign replacement cycle.	The Town is going to inspect watershed address signs and replace/repair as needed.
1: Public Education, Outreach and Involvement	Public Meetings	Meet with the ECC at least quarterly	Town staff will meet with the Environmental Conservation Commission to discuss environmental issues affecting the Town.
1: Public Education, Outreach and Involvement	Community Source Water Protection Program	Work with volunteers to monitor and/or clean up at least 10 locations annually	Town staff will work with volunteers to monitor and/or clean 10 locations throughout the Town.
1: Public Education, Outreach and Involvement	Water Quality Education Events	Conduct 10 water quality education events annually	Town staff will conduct at least 10 water quality education events.
1: Public Education, Outreach and Involvement	Storm Drain Labeling	Install at least 50 storm drain labels annually	Town staff will install at least 50 storm drain labels on new inlets and inlets where labels are missing or damaged.
2: Illicit Discharge Detection and Elimination	Storm Sewer System Map	Add all new storm system features to the Storm Sewer System Map annually	The Town plans to continue updating our storm sewer system map annually

2: Illicit Discharge Detection and Elimination	On-Site Sewage Disposal Systems	Investigate 100% of potential OSSF discharges to MS4 and send deficiency letters to 100% of properties that do not maintain a maintenance contract	Town staff will investigate all potential discharges and will monitor the registered OSSFs throughout the Town.
2: Illicit Discharge Detection and Elimination	Illicit Discharge Reporting System	Investigate 100% of reported illicit discharges	Town staff will investigate all reported illicit discharges to the MS4.
2: Illicit Discharge Detection and Elimination	Illicit Discharge Detection and Elimination Training	Train at least 75% of departments containing field staff annually	Town staff will be trained regarding how to prevent and reduce stormwater pollution from illicit discharges
3: Construction Site Stormwater Runoff Control	Comprehensive stormwater ordinance	Enforce and update the ordinance. Document enforcement actions taken during reporting year	Town staff will continue to enforce the stormwater ordinance at construction sites and will update the ordinance if necessary.
3: Construction Site Stormwater Runoff Control	Construction Site Discharge Reporting System	Investigate 100% of reported construction site discharges	Town staff will investigate all reported construction site discharges
3: Construction Site Stormwater Runoff Control	Maintain a Construction Site Inventory Database	Maintain and update database as new sites are added throughout the Town	Town staff will add any new construction sites that occur during the calendar year to the database
3: Construction Site Stormwater Runoff Control	SWPPP Review	Review and comment on all SWPPPs submitted to the Town for review	Town staff will review all SWPPPs developed for construction activities.
3: Construction Site Stormwater Runoff Control	Staff Training Program	Train 100% of departments which enforce construction site stormwater requirements	Town staff will conduct trainings for all departments which enforce the comprehensive stormwater ordinance at construction sites.

4: Post-Construction Stormwater Management in New Development and Redevelopment	Comprehensive Stormwater Ordinance	Enforce all provisions of the stormwater ordinance and document any violations and/or enforcement measures	Town staff will continue to enforce the stormwater ordinance and maintain documentation for violations and enforcement measures.
4: Post-Construction Stormwater Management in New Development and Redevelopment	Evaluate and Enforce the Stormwater Inspections Program	Create an inventory of all stormwater ponds in the Town	Town staff will create an inventory of all stormwater ponds located in the Town.
4: Post-Construction Stormwater Management in New Development and Redevelopment	Engineering Design Standards	Review engineering plans for all new development and redevelopment to ensure that they are in compliance with the Town's design standards for structural stormwater controls	Town staff will review engineering plans for development projects to ensure that they are in compliance with the Town's design standards
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Facility Specific Standard Operating Procedures	Review 50% of existing SOP(s) annually	Town staff will review the SOPs for Town facilities and update them as necessary
5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Facility and Stormwater Controls Inventory	Review the Facility Inventory and Facility Map annually	Town staff will review the facility inventory and map and make any necessary changes

5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Facility Assessment	Develop a plan and checklist for facility inspections	Town staff will develop a facility assessment plan and checklist
5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Inspection and Maintenance Program	Inspect at least 100 stormwater controls annually	Town staff will inspect at least 100 stormwater controls
5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Operations and Maintenance Training	Conduct operations and maintenance program training annually	Town staff will conduct training for all operations and maintenance departments
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Street Cleaning Plan	Conduct two (2) street sweeping events annually	Town staff will ensure that two (2) street sweeping events are conducted in compliance with the Town's street cleaning plan
7: Authorization for Municipal Construction Activities	Erosion Control Plan Review	Review all erosion control plans for municipal construction activities	Town staff will review erosion control plans for all municipal construction activities
7: Authorization for Municipal Construction Activities	Municipal Construction Site Inspections	Conduct stormwater inspections at all municipal construction activities	Town staff will conduct stormwater inspections at all municipal construction activities
7: Authorization for Municipal Construction Activities	Stormwater Pollution Prevention Plan Review	Review all SWPPPs for municipal construction activities	Town staff will review SWPPPs developed for municipal construction activities

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 No

*STILL AWAITING ISSUANCE OF PUBLIC NOTICE FOR PROPOSED CHANGES

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)
1: Public Education, Outreach, and Involvement	Municipal website with stormwater quality information	The BMP has been updated to have a more measurable goal which consists of adding the annual report and SWMP to the website each year
1: Public Education, Outreach, and Involvement	Anti-Littering/Dumping Brochure	This BMP has been removed and/or replaced because it was difficult to make measurable in accordance with the new TCEQ MS4 General Permit.
1: Public Education, Outreach, and Involvement	Watershed Address Program	This BMP was updated to reflect that 10 additional signs will be installed in 2020 which will fully address the watershed throughout the Town. After this permit year new signs will be added as part of the Town's 10 year traffic sign replacement cycle, and any signs that are found to be damaged will be replaced immediately.
1: Public Education, Outreach, and Involvement	Storm Drain Labeling	This BMP was updated to be more measurable. The BMP now states that at least 50 storm drain labels will be installed annually.

1: Public Education, Outreach, and Involvement	Public Notice	This BMP was replaced with a Public Meetings BMP because there wasn't an easy way to make complying with state and local public notice rules "measurable". The new BMP consists of meeting with the Town's Environmental Conservation Commission quarterly to discuss environmental issues affecting the Town.
1: Public Education, Outreach, and Involvement	Community Source Water Protection Program	This BMP was updated to be more measurable
1: Public Education, Outreach, and Involvement	Water Quality Education Events	This BMP was updated to be more measurable
2: Illicit Discharge Detection and Elimination	Storm Sewer System Map	This BMP was updated to be more measurable
2: Illicit Discharge Detection and Elimination	Program to detect and address illicit discharges	This BMP was replaced since the program is fully implemented. More specific IDDE BMPs were added to the SWMP in its place.
2: Illicit Discharge Detection and Elimination	Develop and maintain an Illicit Discharge Document	This BMP was updated. An illicit discharge database has been created and all new reported illicit discharges will be documented and investigated.
3: Construction Site Stormwater Runoff Control	Evaluate and Enforce Regulatory Authority and Procedures	This BMP was re-worded to be more measurable
3: Construction Site Stormwater Runoff Control	Construction Site Reporting Hotline	This BMP was re-worded to be more measurable
3: Construction Site Stormwater Runoff Control	Maintain a Construction Site Inventory Database	This BMP was re-worded to be more measurable

4: Post-Construction Controls for New Development and Redevelopment	Comprehensive Stormwater Ordinance	This BMP was re-worded to be more measurable
4: Post-Construction Controls for New Development and Redevelopment	Evaluate and Enforce the Stormwater Inspections Program	This BMP was updated to include additional work that we will be undertaking to make the program more effective. We will be creating an inventory of all stormwater ponds located in the Town and then will create a more organized inspection/maintenance program in later permit years
4: Post-Construction Controls for New Development and Redevelopment	Engineering Design Standards	This BMP was re-worded to be more measurable
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Facility Specific Standard Operating Procedures	This BMP was updated to be more measurable
5: Pollution Prevention/Good Housekeeping for Municipal Operations	MS4 Facility and Stormwater Controls Inventory	This BMP was re-worded to be more measurable
7: Authorization for Municipal Construction Activities	Erosion Control Plan Review	The 7 th and optional MCM has been adopted as part of the permit renewal and SWMP updates. We will now permit all municipal construction activities through our MS4 permit and review erosion control plans for these activities.
7: Authorization for Municipal Construction Activities	Municipal Construction Site Inspections	This is a new BMP now that the Town is utilizing the 7 th MCM

7: Authorization for Municipal Construction Activities	Stormwater Pollution Prevention Plans	This is a new BMP now that the Town is utilizing the 7 th MCM
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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.):**
 Not applicable

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)
Not applicable			

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 No

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

Name and Explanation:

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

Yes 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: _____ Permittee: _____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Notices of intent and site notices received; Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(h)) _____ 109 _____

2a. Does the permittee utilize the optional 7th 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	
The total number of acres disturbed for municipal construction projects	Not applicable for this year however the optional 7 th MCM will be utilized as part of the SWMP we created for the new MS4 permit issued in 2019.

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): JOSEPH WHITELEY Title: ENV. REVIEW ANALYST

Signature:  Date: 2/24/2021

Name of MS4 TOWN OF FLOWER MOUND

Name (printed): Debra Wallace Title: Interim Town Manager/CFO

Signature:  Date: 3/8/2021 | 2:37 PM CST

Name of MS4

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4

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).