

AGENDA PLACEMENT FORM

(Submission Deadline – Tuesday, 12:00 PM before Regular Court Meetings)

Date: 3/17/2023

Meeting Date: 03/27/2023

Submitted By: Julie Edmiston

Department/Office: Public Works

Signature of Director/Official: _____



Agenda Title: MS4 Report

COMMISSIONERS COURT

MAR 27 2023

Approved

Public Description (Description should be 2-4 sentences explaining to the Court and the public what action is recommended and why it is necessary):

Consideration to Approve and Authorize to sign Johnson
County's Phase II Municipal Separate Storm Sewer Systems
(MS4) Annual Report for 2022, TPDES General Permit Number
TXR04000- Public Works Department

(May attach additional sheets if necessary)

Person to Present: Jennifer VanderLaan

(Presenter must be present for the item unless the item is on the Consent Agenda)

Supporting Documentation: (check one) PUBLIC CONFIDENTIAL

(PUBLIC documentation may be made available to the public prior to the Meeting)

Estimated Length of Presentation: 10 minutes

Session Requested: Action Item (Action Item, Workshop, Consent, Executive)

Check All Departments Requiring Notification:

County Attorney IT Purchasing Auditor

Personnel Public Works Facilities Management

Other Department/Official (list) _____

Phase II
Municipal Separate Storm Sewer Systems (MS4)
2022 Annual Report

TXR040561
Johnson County, Texas



Johnson County Public Works Department

2 North Mill Street, Suite 305

Cleburne, Texas 76033

817-556-6380

March 17, 2023

Texas Commission on Environmental Quality
Storm water & Pretreatment Team Leader (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087
Certified Mail - 70192970000062471696

Re: Phase II MS4 Annual Report Transmittal for Johnson County
TPDES Authorization: TXR040561

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040561 for Johnson County.

The annual report is for Year 4. The reporting period beginning 01/01/2022 and ending 12/31/2022 .

As required by the general permit, a copy of the report has been mailed to the TCEQ Regional Office 4 in Fort Worth, Texas.

Sincerely,

Jennifer Vanderlaan , C.F.M.

Director

Johnson County Public Works

Enclosure: Phase II MS4 Annual Report

CC: TCEQ Region 4 office

File

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040561

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

Annual Reporting Year Option Selected by MS4:

Calendar Year: 2022

Permit Year: 4

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

Reporting period beginning date: (month/date/year) 01/01/2022

Reporting period end date: (month/date/year) 12/31/2022

MS4 Operator Level: 2 Name of MS4: Johnson County

Contact Name: Jennifer Vanderlaan Telephone Number: 817-556-6380

Mailing Address: Johnson County Public Works 2 N. Mill St, Suite 305, Cleburne, TX 76033

E-mail Address: development@johnsoncountytexas.org

A copy of the annual report was submitted to the TCEQ Region: YES NO
Region the annual report was submitted to: TCEQ Region 4 DFW

B. Status of Compliance with the MS4 GP and SWMP

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

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

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**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	Texas Smartscape	Yes, Johnson County will work with the Master Gardeners of Johnson County to perform landscaping functions and provide an information kiosk to educate residents.
#1 Public Education	Seminar Presentation	Yes, Johnson County will conduct seminars and incorporate stormwater information into these seminars.
#1 Public Education	Website	Yes, Johnson County maintains an informative website that distributes information regarding a variety of subjects important to residents and visitors.
#1 Public Education	Networking	Yes, Johnson County staff attends NCTCOG meetings and similar informative opportunities to keep abreast of the stormwater related information.
#1 Public Education	Household Hazardous Waste	Yes, provides a means of disposal of Household Hazardous waste at drop off location for residence.
#1 Public Education	Public Notice for Meetings	Yes, Both Johnson County Commissioner's Court and NCTCOG meetings meet TCEQ minimum requirements for public involvement and participation.
#1 Public Education	TPBES General Permit TXR040000	Yes, Post TPDES General Permit TXR040000 on County Website.
#1 Public Education	Post Draft SWMP on Website	Yes, Draft of SWMP was posted on County Website.
#1 Public Education	Citizen Complaint Registry	Yes, Johnson County monitors Citizen Complaint Registry, investigate alleged septic system failures, and suspected illicit discharges.

#1 Public Education	Public Outreach	Yes, Disseminate Hazardous Waste flyer at clay shoot events.
#2 Illicit Discharge Detection/ Elimination	Illegal Dumping Enforcement	Yes, Illegal dumping incidents are reported to the sheriff's office.
#2 Illicit Discharge Detection/ Elimination	On-Site Sewage Facilities	Yes, Johnson County inspects all new septic systems and investigates all alleged septic failures and documents actions taken to correct problems.
#2 Illicit Discharge Detection/ Elimination	Roadway and Drainage Review	Yes, Johnson County inspects roadway and drainage ways, and investigates all suspected illicit discharges.
#2 Illicit Discharge Detection/ Elimination	HHW	Yes, Johnson County partners with the City of Fort Worth for HHW disposal. Johnson County handed out 23 vouchers that were used for drop off of household hazardous waste.
#2 Illicit Discharge Detection/ Elimination	Emergency Planning Procedure	Yes, Emergency Management responds to hazardous materials incidents in the unincorporated urbanized areas of Johnson County.
#2 Illicit Discharge Detection/ Elimination	Storm Drain System Mapping	Yes, Johnson County has developed a map of storm drains in the UUA of Johnson County.
#3 Construction Site Stormwater Runoff Control	Platting/Permitting Procedural Review	Yes. Platting and permitting procedures are reviewed to ensure procedures complies with the MS4 Permitting requirements.
#3 Construction Site Stormwater Runoff Control	Review of the Inter-Local Agreements	Yes, Inter-Local Agreements are periodically reviewed to ensure they include provisions that will ensure compliance with the MS4 stormwater permit.

#3 Construction Site Stormwater Runoff	Land Development Rules and Regulations	Yes, Development rules and regulations are reviewed to ensure compliance with MS4 stormwater permit.
#3 Construction Site Stormwater Control	NOI/CSN Files	Yes, A file for CSN's and NOI's is maintained.
#3 Construction Site Stormwater Runoff	ISWM Program Implementation Tiered Measurement	Yes, Johnson County will utilize the ISWM Program Implementation Tiered Measurement Guide where applicable the state and local laws as a reference when approving plats, conduction inspections, and performing corrective measures that promote stormwater quality.
#4 Post-Construction Stormwater in New/Redevelopment	Pervious Drainage Systems	Yes, Johnson County generally allows developers and home builders as well as residents in the UA to use to grade, open/unlined grassy drainage ditches.
#4 Post-Construction Stormwater in New/Redevelopment	Drainage Analyses and Tracking	Yes, Johnson County will review plans for adequate culvert and storm drain design.
#4 Post-Construction Stormwater in New/Redevelopment	Texas Smartscape	Yes. Johnson County will work with the Master Gardeners of Johnson County to perform landscaping functions and provide an information kiosk to educate residents.
#4 Post-Construction Stormwater in New/Redevelopment	Floodplain Regulations	Yes, Johnson County will work within 44 CFR 60.3 flood management parameters to control, construct, manage and inspect and FEMA floodplains.
#4 Post-Construction Stormwater in New/Redevelopment	ISWM	Yes, Johnson County as applicable will utilize the ISWM program Implementation Tiered Measurements Guide as a tool when approving plats, conduction inspections and performing corrective measures that promote stormwater quality.
#5 Pollution Prevention Good Housekeeping	County Facility Inventory	Yes, Johnson County maintains an inventory of facilities that are owned or operated by the county.

#5 Pollution Prevention Good Housekeeping	Training	Yes, Johnson County implements a training program to inform County personnel about the identifications and reporting violations and tracking costs.
#5 Pollution Prevention Good Housekeeping	County Operations and Maintenance	Yes, Johnson County will evaluate O&M activities associated with road and parking lot maintenance, bridge maintenance, cold weather operations and right of way maintenance.
#5 Pollution Prevention Good Housekeeping	Contractor Requirements and Oversight	Yes, Johnson County will require contractors hired to perform maintenance activities to comply with stormwater management operation procedures described in Section 3.7.

3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the MEP. If no progress was made or the BMP did not result in a reduction in pollutants, provide an explanation. Use the table below to meet this requirement (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 & Involvement	Flyer	23	Vouchers	Yes – Household Hazardous Waste dropped off for disposal.
1	Public Education, Outreach & Involvement	Complaints Reported	256	Reported	Yes – Illicit Discharge Detection/Elimination
2	Illicit Discharge	Observations	15	Drive by	Yes – Illicit Discharge Detection/Elimination
2	Illicit Discharge	Cases Entered in Software	271	Total Cases	Yes – Illicit Discharge Detection/Elimination

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)	<p>Explain progress toward goal or how goal was achieved.</p> <p>If goal was not accomplished, please explain.</p>																
1	Texas Smartscape: Master Gardeners of Johnson County will maintain landscapes at County-owned facilities.	Met Goal - Johnson County has redeveloped the plants and added rocks in the annex garden.																
1	Seminar Presentation: Conduct seminar once per year for the five year permit term. The number of participants at the seminars are recorded.	<p>Unable to meet goal.</p> <p>Due to limited in person events.</p>																
1	Networking: Add links containing stormwater information on County Website.	<p>Met goal - links were added to prior permit term.</p> <p>No new links added for 2022. Johnson County will add new links as needed and record.</p>																
1	Networking: Record number of website visits.	Met goal - Johnson County has been able to track and keep record of website visits for 2022. Number of website visits for 2022 is 18956.																
1	Networking: Information for the Hazardous Waste Drop Off locations.	Goal Not Met																
1	Networking: Information for the Household Hazardous Waste Drop Off locations.	<p>Goal Not Met</p> <p>There were no flyers or goodie bags at events.</p>																
1	Networking: Participate in meetings and Regionally Developed Initiatives and disperse information gleaned from these activities to citizens and employees of Johnson County.	<p>Met Goal:</p> <table border="0" data-bbox="630 1449 1507 1715"> <tr> <td>Brochure</td> <td>Total</td> </tr> <tr> <td>Yard Waste Flyer</td> <td>36</td> </tr> <tr> <td>Stormwater Crossword (Kids)</td> <td>115</td> </tr> <tr> <td>Urban Runoff</td> <td>34</td> </tr> <tr> <td>Dirty Dozen</td> <td>89</td> </tr> <tr> <td>Illegal Dumping</td> <td>29</td> </tr> <tr> <td>Construction Stormwater Permits Brochure</td> <td>40</td> </tr> <tr> <td>Hazardous Waste Flyer</td> <td>450</td> </tr> </table>	Brochure	Total	Yard Waste Flyer	36	Stormwater Crossword (Kids)	115	Urban Runoff	34	Dirty Dozen	89	Illegal Dumping	29	Construction Stormwater Permits Brochure	40	Hazardous Waste Flyer	450
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1	Neworking: Install Rack	Met Goal - Information racks in place.
1	HHW: Monitor and report residents participation. Record educational material distributed.	Met Goal - 23 Vouchers were used in 2022.
1	Public Notice: Staff will verify that Commissioner's Court and NCTCOG meetings comply with public notice requirements and include information in annual reports to TCEQ.	Goal Met
1	Citizen Complaint Registry: Investigate 80% of citizen and staff reported illicit discharges and septic system failures in UUA within 2 weeks.	Goal Met - 271 Complaints were reported with 256 investigated and 194 resolved. Johnson County has investigated 94% of cases for 2022.
2	Illegal Dumping: Refer all cases of suspected illegal dumping incidents to the Sheriff's Office and record number of referrals and disposition of those referrals.	Met Goal - Illegal dumping incidents are referred to the Johnson County Sheriff's Office.
2	On-Site Sewage Facilities: Track all inspections and corrective actions taken regarding OSSFs.	Goal Met - Johnson County is tracking inspections and corrective actions regarding OSSFs. Johnson County has investigated 256 of 271 complaints with 194 closed/resolved for 94% rate for 2022.
2	Roadway and Drainage Review: Track all inspections and corrective actions taken regarding suspected illicit discharges.	Goal Met - Johnson County is tracking actions taken regarding illicit discharges. 94% suspected illicit discharge cases were resolved by Johnson County for the 2022 reporting year.
2	Emergency Planning Procedure	Met Goal - Emergency Management manages emergency situations. No spills or discharges reported in 2022.
2	Storm Drain System Mapping	Met Goal - Johnson County has developed a map of storm drains. No new drains added in 2022.

3	Platting/Permitting: Johnson County will require that a SWPPP, CSNs, NOIs (when appropriate), and drainage studies be submitted during platting and before Development and Permit applications are approved.	Met Goal - Johnson County requires NOI, CSN, and SWPPP prior to approving developments.
3	Inter-Local Agreements: Johnson County will periodically review inter-local agreements and ensure new agreements are compliant with MS4 Stormwater Permit	Met Goal - Johnson County will ensure future inter-local agreements are compliant with the MS4 Stormwater Permit.
3	Land Development: Johnson County will ensure that new and existing development rules and regulations approved by the Commissioner's Court comply with the MS4 Stormwater Permit requirements.	Met Goal - 2022 Utilizing Software
3	NOI/CSN File: Johnson County will establish a file for construction site NOIs and CSN during year 3 and maintain the file throughout the remainder of the permit term.	Met Goal: NOI - 0 CSN- 0 APO- 0
3	ISWM: Program Implementation Tiered Measurement Document	Met Goal - Johnson County Public Works uses the "ISWM Program Implementation Tiered Measurement" checklist as reference when approving plats, conducting inspections, and performing corrective measures that promote stormwater quality.
4	Post Construction: Stormwater Runoff Control	Met Goal - Studies are done. None were required. Brochure "Steps to Obtain Construction for Storm Water Discharges". Number given unknown.

4	Pervious Drainage Systems: Johnson County will allow open/unlined grassy drainage ditches and channels to receive and transport storm water runoff generated offsite (i.e. on adjacent private land) from impervious surfaces such as roofs, driveways, sidewalks, and private and public roads and streets.	Goal in Progress - Johnson County allows open/unlimited grassy drainage ditches and channels to receive and transport storm water runoff generated offsite (i.e. on adjacent private land) from impervious surfaces.
4	Drainage Analysis and Tracking: Johnson County will implement the drainage review process while reviewing plats and issuing development permits.	Goal in Progress - Johnson County implemented the drainage review in the last permit term. Pictures of stormwater runoff locations have been compiled in a computer file. No new locations.
4	Floodplain Regulations: Johnson County ensures that current flood management procedures are in compliance.	Goal in Progress - Johnson County will work within 44 CFR 60.3 flood management parameters to control, construct, manage and inspect any FEMA floodplains.
5	Training: Johnson County will develop a training program and reporting forms during year 3 of the permit.	Not Met - Due to limited staff. Will correct in year 4.
5	County Operations and Maintenance Activities	Met Goal - No Discharge reports in 2022.

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.?

D. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly-identified impaired

waters below by including the name of the water body and the cause of impairment.

N/A

2. 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.

N/A

3. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL.

N/A

4. Report the benchmark identified by the MS4 and assessment activities:

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

5. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark:

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
N/A		

6. If applicable, report on focused BMPs to address impairment for bacteria:

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

7. Assess the progress to determine BMP's effectiveness in achieving the benchmark.

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

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

Benchmark Indicator	Description/Comments
N/A	

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	Public Outreach	Public Input	Johnson County accepts comments from the public as appropriate.
1	Public Outreach	Texas Smartscape	Johnson County will conduct a seminar.

1	Website	Public, outreach, education, and involvement	Ability to record the number of website visits was obtained in 2021 ahead of 2022 goal. Number of visits will be recorded for the 2022 year.
1	Public Education	Post Annual MS4 report on Website	Post Annual MS4 report on the County Website.
1	Public Education	Public outreach, education and involvement	Disseminate Household Hazardous Water flyer at the 4H Clay Shoot.
1	Public Education	Public outreach, education and involvement	Disseminate Household Hazardous Water flyer at the Chisolm Trail Clay Shoot.
1	Public Education	Public outreach, education and involvement	A flyer rack/stand needs to be installed at the Burleson Sub Courthouse so that flyers can be disseminated and counted throughout the year.
2	Illicit Discharge Detection/Elimination	Storm drain system mapping	Evaluate and update map as new locations of storm drains have been added.
3	CSN/NOI Files	Stormwater runoff control	Keep a count of CSN's and NOI's
3	Storm Drain System Mapping	Constructions Site Stormwater Runoff Control	Map stormwater drains in Johnson County as needed.
3	Interdepartmental Review	Platting/Permitting Review	Make adjustments as needed to assist in the permitting and review process.
4	Floodplain Regulations	Post-construction stormwater management in the new developments.	Johnson County will incorporate flood plain regulations in platting and permitting procedures.
5	Training	Pollution Prevention and Good Housekeeping	Johnson County will practice Pollution Prevention and Good Housekeeping.

F. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year.

Yes No

2. 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:

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

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

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

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.

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

H. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?
 ___ 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:

Name and Explanation:

Name and Explanation:

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: _____

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Large and Small Site Notices submitted by construction site operators):

0 _____

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

Yes No

2b. If "yes," then provide the following information for this permit year:

<p>The number of municipal construction activities authorized under this general permit.</p>	
---	--

The total number of acres disturbed for municipal construction projects	
---	--

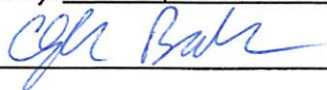
Note: Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.

J. Certification

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).

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): Christopher Boedeker Title: County Judge, Johnson County

Signature:  Date: March 27, 2023

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 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

If you have questions on how to fill out this form or about the Stormwater Permitting program, please contact us at 512-239-4671.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.