

MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM
**MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) ANNUAL
 STORMWATER MANAGEMENT PROGRAM REPORT FOR
 COMPREHENSIVE PERMIT (MOR04C)**

FOR OFFICE USE ONLY
PROJECT ID NUMBER
DATE RECEIVED

Part A – MS4 PERMIT HOLDER INFORMATION

1. MS4 NAME City of Raymore	2. NPDES PERMIT NUMBER MOR04C036	3. MS4 UNIQUE ID NO. (If applicable – co-permittees only)	
4. ADDRESS 100 Municipal Circle	5. CITY Raymore	6. STATE MO	7. ZIP CODE 64083
8. TELEPHONE NUMBER WITH AREA CODE (816) 892-3019	9. NAME OF MS4 CONTACT PERSON Lorie Crandell		
10. EMAIL OF MS4 CONTACT PERSON lcrandell@raymore.com			
11. Is the MS4 contact person listed above different from the most recent MS4 stormwater management program annual report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
12. Have any areas of the MS4 been added or removed from the MS4 jurisdiction due to annexation or other legal means since the most recent permit application (renewal, new, modification), or most recent MS4 stormwater management program annual report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please provide a map along with a brief description as an attachment.			

Part B – REPORTING REQUIREMENTS

1. Is your MS4 subject to a TMDL? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, you are required to submit the MS4 ARAP report annually. Reports are due Feb. 28 each year. See Part F of this form.
2. Is your MS4 newly permitted (i.e., is this your first MS4 permit)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. If you are part of a co-permitted MS4 permit, will each co-permitted MS4 submit an individual stormwater management program report, or a combined MS4 stormwater management program report? <input checked="" type="checkbox"/> Individual <input type="checkbox"/> Combined
4. Reporting period year (i.e., the previous year from January 1 st to December 31 st) BEGINNING: <u>1/1/2023</u> ENDING: <u>12/31/2023</u>

Part C – STORMWATER MANAGEMENT PROGRAM PARTNERS

1. If another governmental entity implements any BMPs or MCMs for your stormwater program, please provide the following: a. Name of the government entity; b. Name of the primary contact for the government entity; c. Contact information (i.e., address, city, ZIP code, state, and phone number); and d. Specific best management practices or minimum control measures being implemented by the government entity. It is the responsibility of the permittee to provide all information under this report regardless if programmatic BMPs or MCMs are being implemented by another governmental entity. If an entire MCM is being implemented by an alternative governmental entity, please indicated that under the appropriate MCM below.
2. Does the permittee currently utilize, or is working towards develop of an Integrated Plan? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please provide a summary of the status of the Integrated Plan.

PART D – MINIMUM CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND MEASURABLE GOALS EVALUATION

An attachment is necessary for many items under the MCMs below to provide information regarding the progress toward achieving the statutory goal of reducing the discharge of pollutants to the MS4 to the maximum extent practicable to the MS4. Provide additional informative data, success stories, and experiences that support the successful implementation of your stormwater management plan (SWMP).

MCM 1. Public Education and Outreach
1. (4.1.A) Who are the target audiences? <u>Residents, Developers and Construction Site Operators</u> Were any changes made to target audiences during reporting period? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

2. (4.1.B) What are the target pollutants? HHW, Yard Waste, Runoff, Fertilizers, Petroleum Products, Floatables
Were any changes made to target pollutants during reporting period? Yes No

3. (4.1.C) Were any changes made to educational resources to be used as BMPs (materials, postings, etc.) in conjunction with the selected pollutants for the selected target audiences during reporting period? Yes No
If Yes, please include an attachment describing changes.

4. (4.1.D, 4.1.E) Were any changes made to involvement activities, or support to be used as BMPs (events, activities, etc.) in conjunction with the selected pollutants for the selected target audiences during reporting period? Yes No
If Yes, please include an attachment describing changes

5. (4.1.F) Were all BMPs for MCM 1 evaluated during reporting period? Yes No
If No, please include an attachment describing what BMPs were not evaluated and why.

6. Were the measurable goals for all BMPs for MCM 1 successfully reached? Yes No
If No, were the measurable goals or BMPs evaluated/modified in an effort for success in the next reporting period? Yes No

For each of the BMPs under this MCM, please provide a brief summary of how the measurable goals were achieved and documented. For any BMPs where the measurable goals were not achieved, provide a brief summary of how the BMP evaluated/modified in an effort for success in the coming reporting year.

7. Were the BMPs for MCM 1 determined effective/successful for this reporting period? Yes No
If No, were the BMPs determined to be ineffective/unsuccessful evaluated for modification or replacement? Yes No

8. Were any changes made to MCM 1 during the reporting period that were not covered above, including the addition of programmatic BMPs?
 Yes No
If Yes, please include an attachment describing changes.

MCM 2. Public Involvement and Participation

1. (4.2.A, 4.2.B, 4.2.C) Completing 4.2.A-4.2.C in this form is only applicable during permit renewal OR as a result of major modification to the SWMP. If neither of these apply during this reporting period, please check N/A here and skip to 3 below. N/A

2. Was a public notice period held during reporting period? Yes No
Was the public notice posted on the MS4 website? Yes No
Was a public information meeting held for the public notice during this reporting period? Yes No
If Yes, what was the attendance for the meeting? _____
Were any comments received? Yes No If Yes, how many? _____

3. (4.2.D) Were any changes to publicly available method to accept public inquiries, or concerns, and to take information provided by the public about stormwater and stormwater related topics made during reporting period? Yes No
If Yes, please include an attachment describing changes.

4. Were all BMPs and tracking methods for 4.2.D evaluated during reporting period? Yes No
If No, please include an attachment describing what BMPs were not evaluated and why.

5. (4.2.E) Does the permittee utilize a stormwater management panel or committee during the reporting period? Yes No
If Yes, was the panel or committee determined to be effective/successful for this reporting period? Yes No
If the permittee does not currently utilize a stormwater management panel or committee, did the permittee evaluate the potential benefits of utilizing a stormwater management panel or committee? Yes No

6. Were any changes to 4.2.E made during reporting period? Yes No
If Yes, please include an attachment describing changes.

7. (4.2.F) On what date did the permittee provide an update to the governing board on the status of, or updates on, the Stormwater Management Program, including compliance with the program for this reporting period? See Summary attached

8. (4.2.I) Were all tracking mechanisms and databases for MCM 2 evaluated during this reporting period? Yes No
If No, please include an attachment describing why the mechanisms were not evaluated.

9. Were the measurable goals for all BMPs for MCM 2 successfully reached? Yes No
If No, were the measurable goals or BMPs evaluated/modified in an effort for success in the next reporting period? Yes No

For each of the BMPs under this MCM, please provide a brief summary of how the measurable goals were achieved and documented. For any BMPs where the measurable goals were not achieved, provide a brief summary of how the BMP evaluated/modified in an effort for success in the coming reporting year.

10. Were the programmatic BMPs for MCM 2 determined effective/successful for this reporting period? Yes No
If No, were the BMPs determined to be ineffective/unsuccessful evaluated for modification or replacement? Yes No

11. Were any changes made to MCM 2 during the reporting period that were not covered above, including the addition of programmatic BMPs?
 Yes No
If Yes, please include an attachment describing changes.

12. (4.3.A) Were any changes to the storm sewer system map made during reporting period? Yes No

13. (4.3.C) Were any changes made to the ordinance for prohibition of non-stormwater into the storm sewer system during this reporting period? Yes No

14. (4.3.D) Was the measurable goal for dry weather field screening met? Yes No
If No, were the measurable goals evaluated/modified in an effort for success in the next reporting period? Yes No

<p>15. (4.3.H) Were the priority areas evaluated for this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, were the priority areas determined to be appropriate for the next reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Will additional or new priority areas be identified for the next reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>16. (4.3.J) Were any illicit discharge investigations conducted during this reporting period? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, were the investigation procedures, response times, and tracking mechanisms determined to be appropriate for the next reporting? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, were the BMPs determined to be ineffective/unsuccessful evaluated for modification or replacement? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>17. (4.3.K) Were MCM 3 enforcement procedures evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the procedures were not evaluated.</p>
<p>18. (4.3.L) Were all tracking mechanisms and databases for MCM 3 evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the mechanisms were not evaluated.</p>
<p>19. (4.3.M, 4.3.Q) Were all outreach and internal training procedures for MCM 3 evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the procedures were not evaluated.</p>
<p>20. Were the measurable goals for all BMPs for MCM 3 successfully reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, were the measurable goals or BMPs evaluated/modified in an effort for success in the next reporting period? <input type="checkbox"/> Yes <input type="checkbox"/> No For each of the BMPs under this MCM, please provide a brief summary of how the measurable goals were achieved and documented. For any BMPs where the measurable goals were not achieved, provide a brief summary of how the BMP evaluated/modified in an effort for success in the coming reporting year.</p>
<p>21. (4.3.N - 4.3.R) Were the programmatic BMPs for MCM 3 determined effective/successful for this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, were the BMPs determined to be ineffective/unsuccessful evaluated for modification or replacement? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>22. Were any changes made to MCM 3 during this reporting period that were not covered above, including the addition of programmatic BMPs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please include an attachment describing changes.</p>
<p>MCM 4. Construction Site Stormwater Runoff Control</p>
<p>1. (4.4.A) Were any changes to the ordinance for construction site stormwater made during this reporting period? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please include an attachment describing changes.</p>
<p>2. (4.4.B) Were the pre-construction plan review procedures evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the review procedures were not evaluated.</p>
<p>3. (4.4.C) Were the procedures for construction site inspections, evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the procedures were not evaluated.</p>
<p>4. (4.4.D) Were construction site enforcement procedures evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the procedures were not evaluated.</p>
<p>5. (4.4.E) Were the procedures for requiring construction site operators to conduct site inspections evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the procedures were not evaluated.</p>
<p>6. (4.4.F, 4.4.G) Were all tracking mechanisms and databases for MCM 4 evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the mechanisms and/or databases were not evaluated.</p>
<p>7. (4.4.J) Were all procedures for public submittal of concerns or information related to construction sites evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the procedures were not evaluated.</p>
<p>8. (4.4.K) Were all internal training procedures for MCM 4 evaluated for effectiveness during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the procedures were not evaluated.</p>
<p>9. (4.4.L) Were all procedures outlining the local inspection and enforcement for MCM 4 evaluated during this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, please include an attachment describing why the document(s) were not evaluated.</p>
<p>10. Were the measurable goals for all programmatic BMPs for MCM 4 successfully reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, were the measurable goals or programmatic BMPs evaluated/modified in an effort for success in the next reporting period? <input type="checkbox"/> Yes <input type="checkbox"/> No For each of the programmatic BMPs under this MCM, please provide a brief summary of how the measurable goals were achieved and documented. For any BMPs where the measurable goals were not achieved, provide a brief summary of how the BMP evaluated/modified in an effort for success in the coming reporting year.</p>
<p>11. (4.4.H, 4.4.I, 4.4.M) Were the programmatic BMPs and procedures for MCM 4 determined effective/successful for this reporting period? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>12. Were any changes made to MCM 4 during the reporting period that were not covered above, including the addition of programmatic BMPs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please include an attachment describing changes.</p>
<p>MCM 5. Post-Construction Stormwater Management in New Development and Redevelopment</p>

1. (4.5.A) Were any changes to the ordinance for post-construction runoff site stormwater made during this reporting period?
 Yes No
 If Yes, please include an attachment describing changes.

2. (4.5.B) Were any changes to the permittee's strategy to minimize water quality impact made during this reporting period? This includes any policy or ordinance changes to either structural or non-structural controls. Yes No
 If Yes, please include an attachment describing changes.

3. Were all strategies (programmatic BMPs) for 4.5.B evaluated during this reporting period? Yes No
 If No, please include an attachment describing what BMPs were not evaluated and why.

4. (4.5.C) Were the pre-construction plan review procedures evaluated during this reporting period? Yes No
 If No, please include an attachment describing why these procedures were not evaluated.

5. (4.5.D) Were procedures for long-term operation and maintenance of the post-development BMPs evaluated during this reporting period?
 Yes No
 If No, please include an attachment describing why these procedures were not evaluated.

6. (4.5.E) Were the procedures for inspections or requiring inspections, evaluated during this reporting period? Yes No
 If No, please include an attachment describing why these procedures were not evaluated.

7. Were the measurable goals for all BMPs for 4.5.E successfully reached? Yes No
 If No, were the measurable goals evaluated/modified in an effort for success in the next reporting period? Yes No

8. (4.5.F, 4.5.G) Were compliance and enforcement procedures evaluated during this reporting period? Yes No
 If No, please include an attachment describing what BMPs were not evaluated and why.

9. (4.5.H) Was the inventory of all post-construction BMPs, including the tracking mechanism, evaluated during this reporting period?
 Yes No
 If No, please include an attachment describing why these procedures were not evaluated.

10. (4.5.I) Were all tracking mechanisms for post-construction BMP inspections, including the tracking mechanism, evaluated during this reporting period? Yes No
 If No, please include an attachment describing why these procedures were not evaluated.

11. (4.5.L) Were all training procedures for inspections evaluated for effectiveness during this reporting period? Yes No
 No, please include an attachment describing why these procedures were not evaluated

12. Were the measurable goals for all programmatic BMPs for MCM 5 successfully reached? Yes No
 If No, were the measurable goals or programmatic BMPs evaluated/modified in an effort for success in the next reporting period? Yes No
For each of the BMPs under this MCM, please provide a brief summary of how the measurable goals were achieved and documented. For any BMPs where the measurable goals were not achieved, provide a brief summary of how the BMP evaluated/modified in an effort for success in the coming reporting year.

13. (4.5.J, 4.5.K, 4.5.M) Were programmatic BMPs and procedures for MCM 5 determined effective/successful for this reporting period?
 Yes No
 If No, were the programmatic BMPs determined to be ineffective/unsuccessful evaluated for modification or replacement? Yes No

14. Were any changes made to MCM 5 during the reporting period that were not covered above, including the addition of programmatic BMPs?
 Yes No
 If Yes, please include an attachment describing changes.

MCM 6. Pollution Prevention/Good Housekeeping for Municipal Operations

1. (4.6.A) Did the permittee maintain and utilize an employee training program for MS4 municipal operations staff? Yes No
 What date or dates was the training held during this reporting period? 10/13/2023

2. Were any changes to the training program made during reporting this period? Yes No
 If Yes, please include an attachment describing changes.

3. (4.6.B) Were the following topics covered during training for this reporting period?
 • Vehicle and equipment washing; Yes No Not applicable
 • Fluid disposal and spills; Yes No Not applicable
 • Fleet, equipment, and building maintenance; Yes No Not applicable
 • Park, open space maintenance procedures (including fertilizer, herbicide, pesticide application); Yes No Not applicable
 • New construction, road maintenance, and land disturbances; Yes No Not applicable
 • Stormwater system maintenance; Yes No Not applicable
 • MS4 operated salt and de-icing operations; Yes No Not applicable
 • Fueling; Yes No Not applicable
 • Solid waste disposal; Yes No Not applicable
 • Street sweeper operations; Yes No Not applicable
 • Illicit Discharges; Yes No Not applicable

4. (4.6.C) Were training materials, written procedures for the training program, and a schedule for topics evaluated during this reporting period?
 Yes No
 If No, please include an attachment describing what BMPs were not evaluated and why.

5. (4.6.D) Was a list of municipal operations/facilities impacted by the MS4 permit maintained and evaluated during this reporting period?
 Yes No

6. (4.6.E) Was a list of all industrial facilities owned or operated by the permittee which are subject to NPDES permits for discharges of stormwater associated with industrial activity, maintained and evaluated during this reporting period? Yes No

7. (4.6.F) Were controls and procedures for reducing or eliminating the discharge of floatables and pollutants from municipal facilities evaluated during this reporting period? Yes No
 If No, please include an attachment describing what elements and procedures were not evaluated and why.

8. Were inspections conducted on these facilities at minimum annually? Yes No

9. Were the stormwater control measures and other programmatic BMPs for 4.6.E determined effective/successful for this reporting period?
 Yes No
 If No, were the BMPs, and procedures determined to be ineffective/unsuccessful evaluated for modification or replacement?
 Yes No

10. (4.6.G) Were procedures for proper disposal of waste removed from the MS4 structures and areas of jurisdiction evaluated during this reporting period? Yes No
 If No, please include an attachment describing why the procedures were not evaluated.

11. (4.6.H) Was washing of municipal vehicles and/or equipment taking place on a facility owned and/or operated by the permittee during this reporting period? Yes No
 If Yes, were procedures for proper disposal of wash water evaluated during this reporting period? Yes No
 If No, please include an attachment describing what procedures were not evaluated and why.

12. (4.6.I) Did the permittee maintain written Stormwater Pollution Prevention Plans or an Operations and Maintenance Manual for all applicable MS4 facilities during this reporting period? Yes No
 If No, please include an attachment describing why the document(s) were not created and/maintained.

13. Did the permittee evaluate the results, controls, and inspection procedures to ensure compliance with the permit and determine if changes are needed? This evaluation may also aid in finding priority areas or pollutants in relation to MCM 3, or adding more education in relation to MCM 1. Yes No
 If No, please include an attachment describing what BMPs were not evaluated and why.

14. (4.6.J) Were any new flood management projects reviewed or begun during this reporting period? Yes No
 If Yes, were procedures used to determine if there are impacts to water quality for the new project? Yes No

15. Were the measurable goals for all BMPs for MCM 6 successfully reached? Yes No
 If No, were the measurable goals evaluated/modified in an effort for success in the next reporting period? Yes No

For each of the BMPs under this MCM, please provide a brief summary of how the measurable goals were achieved and documented. For any BMPs where the measurable goals were not achieved, provide a brief summary of how the BMP evaluated/modified in an effort for success in the coming reporting year.

16. (4.6.K, 4.6.L, 4.6.M) Were BMPs for MCM 6 determined effective/successful for this reporting period? Yes No
 If No, were the BMPs determined to be ineffective/unsuccessful evaluated for modification or replacement? Yes No

17. Were any changes made to MCM 6 during the reporting period that were not covered above? Yes No
 If Yes, please include an attachment describing changes.

Part E – MONITORING DATA WATER SAMPLE(S) ANALYSIS

Please include monitoring data collected during the reporting period.

PARAMETER OR INDICATOR	FREQUENCY (Ongoing monitoring or single diagnostic event or date)	RESULT	DRY WEATHER SAMPLE?	WET WEATHER SAMPLE?
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

1. Are any of the parameters being sampled due to the MS4 being subject to an established or approved Total Maximum Daily Load?
 Yes No
 If Yes, please indicate the parameter/pollutant.

2. Does the data support water quality attainment or support trend data toward water quality attainment?
 Yes No
 If Yes, please describe.

Part F – TOTAL MAXIMUM DAILY LOAD (TMDL) ASSUMPTIONS AND REQUIREMENTS ATTAINMENT (ARAP) PLAN

1. Is your MS4 subject to an established or approved TMDL? Yes No
 If No, please continue to Part G of this report.

2. Has the permittee submitted the TMDL ARAP to the Department for review and approval? Yes No
 If No, please submit the annual status report providing a brief update on the status of completion of the TMDL ARAP per 6.1.H of the permit.

PART G – SUBMIT REPORT TO:

The facility must register in the Department’s eDMR system through the Missouri Gateway for Environmental Management (MoGEM) before the first report is due. Registration and other information regarding MoGEM can be found at; [MoGEM Splash Page](#). Information about the eDMR system can be found at [eDMR Splash Page](#). To access the eDMR system, use: [MoGEM Login](#).
 For assistance using the eDMR system, contact edmr@dnr.mo.gov or call 855-789-3889 or 573-526-2082.

OPTIONAL QUESTIONS REGARDING MILITARY SERVICE

Have you or an immediate family member ever served in the U.S. Armed Forces?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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If yes, would you like information about military-related services in Missouri?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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PART H - CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OR PERMITTEE (LEGALLY RESPONSIBLE PERSON) 	DATE SIGNED 2/16/2024
NAME (PRINTED OR TYPED) Lorie A Crandell	TITLE Stormwater Quality Specialist



SUMMARIES and ATTACHMENTS



MCM 1: Public Education and Outreach (4.1)

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.1.A	Y	Define Target Audiences	In SWMP	Targets were evaluated based on potential for discharge and deemed to be the biggest contributors that can benefit from education	No modification
4.1.B	Y	Define Target Pollutants	In SWMP	Pollutants evaluated based on observation during inspections and erosion control violations	No modification
4.1.C	Y	Social Media Posts Targeted Mailings Contractor/Developer Training Permanent Stormwater Related Signage	*Social Media Hits *Targeted Mailing Units *Online tracking of yearly contractor erosion control certification *Location and type of new stormwater signage	Two articles published, "Only rain down the drain" and "HHW collection" Circulation of magazine is 10,996 issues. Litter cleanup information is shared in the Weekly Report which is emailed to 927 subscribers. Nine (9) Contractors completed training Distributed 25 water quality coloring books at kiosk	No further modification.

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.1.D	N	Stream/Lake or Watershed	Cleanup events planned March 18,2023 and October 28th (Hallo-Clean).Promoted on social media and community signage.	Stream/Watershed partner canceled both events due to weather.	Going forward, Raymore is putting on its own events and inviting partners.
	Y	Household Hazardous Waste Collection Event. Assist in planning, collection, and advertising.	Event Hosted Sept. 23rd 2023. Data compiled in MARC Solid Waste Management year end report	Raymore residents collected 47,393 lbs of HHW. Up 9500lbs from 2022.	No modification
4.1.F	Y	Review effectiveness of BMPs for MCM1		See above	Modification to hosting clean-ups



Only rain should go down the storm drain. Intentionally raking or blowing leaves and grass clippings into the street is against City Code, is dangerous for vehicles – especially bicycles and motorcycles – and is harmful to the stormwater system.



Stormwater & Water Quality: Only Rain Down the Drain

Cooler weather is on its way and the leaves will soon be falling. Leaves, grass clippings and other yard waste should never be intentionally blown or raked into the street or down the storm drain. Raking leaves and grass clippings into the street not only creates dangerous and slippery conditions for vehicles – especially bicycles and motorcycles, but is harmful to the stormwater system. It is against City Code to dispose of anything in the storm drains. Only rain should go down the storm drain.

While some leaves will naturally fall into the drains, extra

precautions should be taken in maintaining these drains.

Rainwater that runs across roofs, yards, parking lots and down streets often picks up pollutants such as yard waste, fertilizers, oils, bacteria, household chemicals and pet waste. This stormwater runoff is transported without treatment to local creeks, rivers and ponds through the storm drains.

Polluted stormwater runoff can pose significant risks to people and wildlife. A build up of litter and yard waste in storm drains can clog the drains and cause flooding.

Help your children learn about stormwater, water quality and getting rid of litter by picking up free educational coloring books at City Hall. The books are geared toward children in kindergarten through fourth grade.

Learn more about Raymore's Stormwater Management Plan at raymore.com/stormwater

HOW TO HELP

- Keep waste out of storm drains. Sweep driveways and sidewalks clean. Never discard trash or yard waste down storm drains or in the street.
- Compost yard clippings and leaves.
- Pick up after your pet. Pet waste contains harmful bacteria. Carry disposable bags while walking your dog to pick up and dispose of waste properly.
- Use lawn chemicals sparingly and follow directions carefully to apply them properly or use natural lawn-chemical alternatives.
- Landscape with native plants. Native plants usually have deeper and more extensive root systems that prevent erosion and provide extra filtration. They have adapted to local soils, climates, microorganisms and insects, reducing the need for extra care and watering. They also benefit local wildlife.
- Recycle used motor oil and other vehicle fluids. Check your vehicle for leaks and repair them.
- Washing your car at home? Wash it on the lawn instead of in the driveway.

HOUSEHOLD HAZARDOUS WASTE MOBILE COLLECTION

Saturday, Sept. 23, 8 a.m.-noon (or until trucks are full)

Eagle Glen Elementary

100 S. Foxridge Dr., Raymore

Keep dangerous chemicals and materials out of the water stream and properly dispose of household hazardous waste (HHW) at this annual event. Participation is free, but proof of residency in Raymore or a 2023 participating community in the Regional HHW Program is required. This event is for residential waste only. No business waste will be accepted.

Products accepted at this event include automotive products, antifreeze, batteries, CFL light bulbs, fertilizers, flammables, fuels, hazardous cleaners, hazardous liquids, household cleaners, lawn and garden products, paint, pesticides, photographic chemicals, pool chemicals, solvents, thinners and used oil.

Follow instructions for use and storage provided on product labels carefully to prevent accidents and reduce the risk of potential hazards.

Raymore residents may attend any of the Mid-America Regional Council Solid Waste Management District's HHW mobile collection events through the year or dispose of HHW at the Missouri permanent collection facilities in Lee's Summit and Kansas City.

For more information and to confirm event locations, visit www.raymore.com/HHW

TIPS FOR GATHERING HHW FOR SAFE DISPOSAL

- Seal containers tightly
- Bring items in their original containers in a sturdy box
- If the original container is leaking or damaged, transfer or place into a compatible, sealable container no larger than 5-gallons and re-label
- Don't mix products together
- Be prepared to leave your containers. Containers such as gasoline cans will not be returned at mobile events.

****The 8th Annual Stream Cleanup Event has been canceled due to the forecast of high winds tomorrow.****

[8th Annual Stream Cleanup Event](#) this Saturday, April 1 at Good Parkway Linear Park!

Register at the information tent at the Linear Park Trail on the south side of Lucy Webb. Enjoy coffee and donuts and find watershed information and get a safety talk.... [See more](#)



[See insights and ads](#)

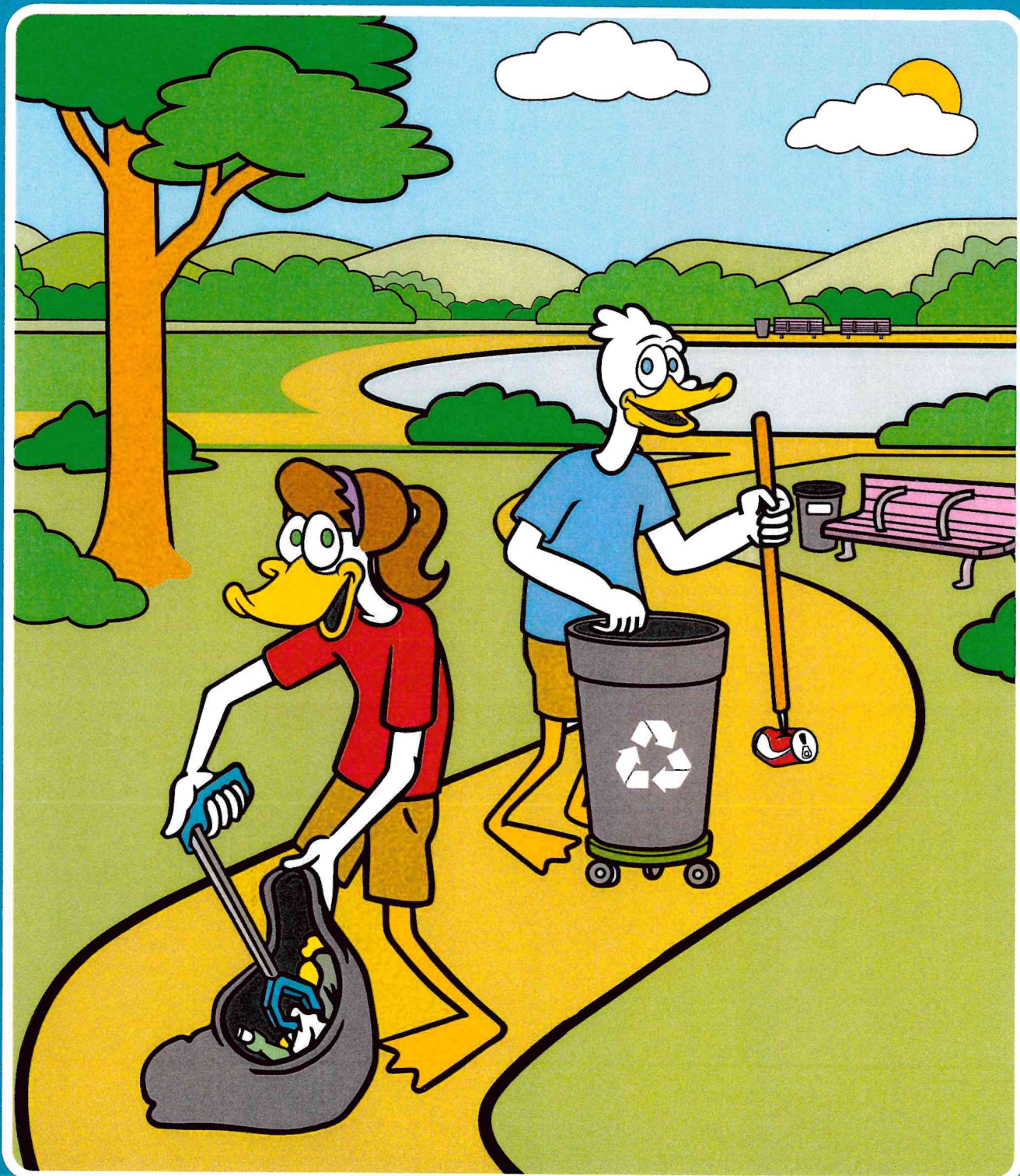
[Boost post](#)

Wendell the Duck's Guide to
WATER QUALITY



GETTING RID OF LITTER!

WITH WENDELL AND PENELOPE



MCM 2: Public Participation (4.2)

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.2.A	Y	Hold a Public Notice Period for 30 days	On City of Raymore Website 2/1/22-3/9/22	Completed	Completed
4.2.B	Y	Have an publicly available method to accept comments	Link available with draft permit on site	Completed	Completed
4.2.C	Y	Hold a public information meeting	Public meeting held March 9, 2022 5pm-7pm at Centerview Community Center 227 Municipal Circle Raymore, Mo	Completed- 0 attended 0 comments	Completed. SMP is still available for viewing on the City's website
4.2.D	Y	Have a publically available method to accept inquiries , concerns, and information from the public about stormwater and related topics.	Residents can contact the stormwater specialist or appropriate contact through the Report-a-Concern link, placed prominently, on the home page of the City's website.	The City utilizes a Request Tracker system and a TextMyGov feature.	No modification.
4.2.E	Y	The City does not utilize a stormwater management panel or committee.	N/A	N/A	No modification.

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.2.F	N	Update the City Council on the SMP.	Public Works Director Michael Krass was unable to address the governing board at the end of the year due to a lengthy illness.	Goal was not met.	MS4 Representative Mr. Krass or Lorie Crandell will update the Council on Feb. 26th ,2024 for the last reporting period and on Nov.25th, for the upcoming year at a Special Work Session. Going forward, if the PW Director is not available, Stormwater Specialist Lorie Crandell will update the Council.
4.2.G-F	Y	Evaluate and Update current program		See above	Section 4.2.F

Stormwater Management

The Hallo-Clean Stream Clean-up has been postponed, but keep an eye out for the next stream clean-up!

Residents

Contractors

Overview

The purpose of the City of Raymore Phase II Stormwater Management Plan is to improve area water quality by preventing harmful pollutants from being carried by stormwater runoff into local water bodies.

Best Management Practices (BMPs) are methods to prevent or reduce the pollutants in stormwater runoff. Our Phase II Stormwater Management Plan (SWMP) includes BMPs that address potential sources of pollutants in stormwater as required by the federal and state regulations. The implementation of BMPs in the SWMP will satisfy the six Minimum Control Measures (MCMs) required by the Phase II Regulations.

- [View the MS4 Stormwater Management Plan.](#)

Six Minimum Control Measures

I. Public Education and Outreach

The Plan implements a public education program to distribute educational materials to the community and conduct outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

II. Public Involvement and Participation

The public is actively involved in implementation of the stormwater management program through community groups of all kinds and participation in activities to reduce stormwater pollution.

III. Illicit Discharge Detection and Elimination

Raymore has developed and implemented a program to detect and eliminate illicit discharges into our sewer system and area streams. We developed and maintain a map of the area streams, storm sewers and storm sewer outfalls.

IV. Construction Site Stormwater Runoff Control

Land disturbance programs must be implemented to reduce pollutants in storm water runoff from construction activities that disturb the land. The BMPs required by the program focus primarily on erosion and sediment control.

V. Post-Construction Stormwater Management

A program to address stormwater runoff from new development and redevelopment projects must be implemented to reduce pollutants in stormwater runoff from developed property. The program must ensure that

MCM 3: Illicit Discharge Detection and Elimination (IDDE) (4.3)

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.3.A-B	Y	Update storm sewer system map (if necessary)	In City's GIS Outfall Inventory map and its Storm Sewer Classification map.	The maps are updated as engineering plans and field data becomes available.	18 outfalls were added in 2023 (bringing the total to 433.) 9352 Feet of storm sewer was added to the inventory
4.3.C	Y	Changes to non-stormwater into system ordinance	In SWMP	Ordinance evaluated by any instance where it was ineffective	None found. No modification
4.3.D	Y	Conduct dry weather outfall assessments on 12% of outfalls	Scanned reports/checklist saved in the Stormwater drive. 13% of outfalls inspected.	Evaluated to spread out outfall inspection into quadrants to ensure screening of some outfalls in all sections of the City.	Not modified
4.3.E	Y	Maintain diagnostic monitoring procedures.	Procedure links in the SMP. SOP IDDE 3.0 -Dry Weather Sampling SOP IDDE 3.1- Call in Inspections SOP 3.2- Opportunistic ID Observation.	Complete	No modifications

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.3.F	Y	Maintain procedures for tracing illicit discharge	Procedure links in the SMP. SOP IDDE 3.3- Outfall Inspections SOP 3.4-Tracing Illicit Discharges	Complete	No modification.
4.3.G	Y	Maintain procedures for removing the source of discharge	Procedure links in the SMP. SOP IDDE 3.5 Illicit Discharge Elimination and Enforcement	Complete	No modification.
4.3.H	Y	Identify and Inspect Priority Areas Inspect 25% of Priority areas each reporting period.	Stored on City's drive and attached 28% of Priority Areas inspected	Complete	Added a new business Maps have been updated.
4.3.J	Y	Conduct Investigations in response to discoveries, spills or complaints	Procedure links for investigating ID spills or stormwater complaints are in the SWMP on the City's website.	Adjacent Communities contact persons information have been evaluated for accuracy.	No modification.

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.3.K	Y	Maintain procedures for enforcement of ID.	Procedure links in the SMP Unified Development Code UDC 480 Enforcement	Complete	No modification.
4.3.L	Y	Maintain a database for tracking screenings, spills, incidents and investigations.	Reports are scanned and saved	No incidents or investigations to track	None
4.3.M	Y	Inform the general public of hazards associated with ID and improper disposal of waste.	Bi-annual City Survey. HHW collection totals. 4.1.D	City surveys have shown an increase in awareness and HHW events are well attended	No modification

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.3.Q	Y	Implement a training program for municipal field staff	Sign in sheets	In person training effective	No modification
4.3.R	Y	Review effectiveness of BMPs for MCM3		See above	Modifications to: 4.3.A 4.3.H

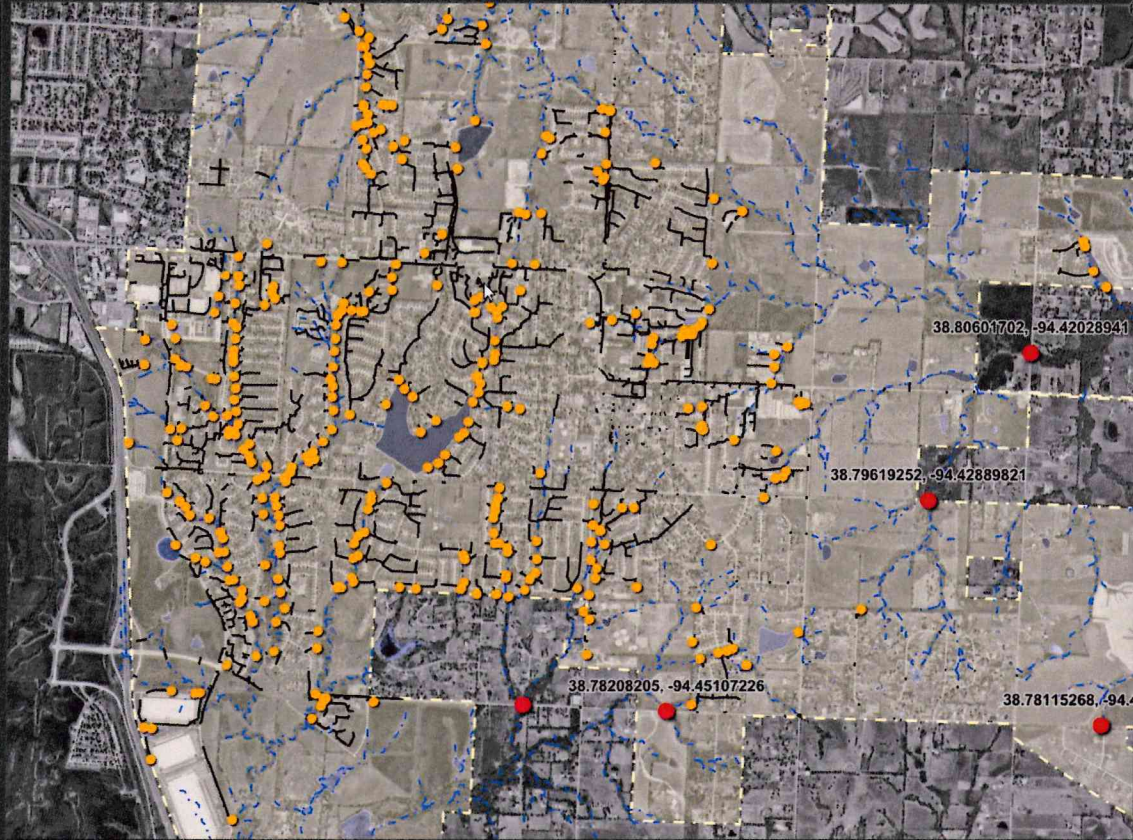
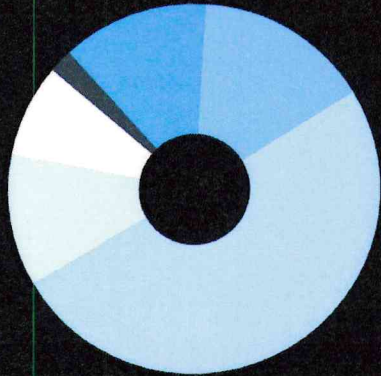
Outfall Inventory (from Storm Water Collection System)

Internal Outfall

433

Storm water conveyance pipe end section locations

Outfall by Type



RAYMORE

9

Representative Outfalls

- Representative Outfall - PWID#
SI2645
38.80, -94.43
- Representative Outfall - PWID#
SI2647
38.81, -94.42
- Representative Outfall - PWID#
SI2672
38.84, -94.47
- Representative Outfall - PWID#
SI3016
38.78, -94.45
- Representative Outfall - PWID#
SI3031
38.77, -94.49
- Representative Outfall - PWID#
S4170

City of Raymore

100 Municipal Circle
 Raymore, MO 64083
 Ph: (816) 331-0488
 Fax: (816) 331-8724



Stormwater Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: <u>LUMPKINS FORK</u>	Outfall ID: <u>3710</u>
Date: <u>9/16/23</u>	Time (Military) <u>0900-1100</u>
Temperature: <u>± °F 80</u>	Inspector(s): <u>L. Crandell</u>
Previous 48 Hours Precipitation: <u>None</u>	Photos Taken: <u>NO</u> If yes, Photo Numbers:
Land Use in Drainage Area: <u>RESIDENTIAL</u> Open Space Other:	Known Industries: <u>GOLF COURSE</u>

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	CMP	Circular	Diameter/Dimensions: <u>24"</u>	In Water:
	<u>RETENTION</u>	Other:		With Sediment:
Open Drainage (Swale/Ditch)	Earthen	Other:	Depth:	
	Other:	Other:	Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK IF PRESENT	DESCRIPTION	COMMENTS
Outfall Damage			
Deposits/Stains		Other:	
Abnormal Vegetation			
Poor Pool Quality		Other:	
Pipe Algae/Growth			
Do physical indicators suggest an illicit discharge is present?			<u>SOME ALGAE IN PRIVATE LAKE GOLF COURSE NUTRIENT?</u>

Flow Present?	If "No", skip to Section 7 and close illicit discharge investigation
Flow Description:	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK IF PRESENT	DESCRIPTION	RELATIVE SEVERITY INDEX(1-3)
Odor			
Color (color chart)			
Turbidity		See Severity	
Floatables		Trash	
		Other:	
Do physical indicators (flowing) suggest an illicit discharge is present? No			

Section 5: On-Site Sampling/Testing (Flowing Outfalls Only)

PARAMETER	RESULT	ACCEPTABLE RANGE	WITHIN RANGE (Y/N)	EQUIPMENT
-----------	--------	------------------	--------------------	-----------



City of Raymore
Engineering Department

Priority Area Inspection Worksheet

Date of Inspection: 3/8/2023
Time: 10 : 50 AM

Duration of Inspection: 15 minutes

Type of Inspection: Site Visit

Primary Inspector: L. Crandell

Weather Condition: Clear

Time of Discharge: N/A

Estimated Volume of Discharge:

I.D. Number: 3

Visual Screening

Owner/Operator Name: Subway

Business Type: Commercial

Address: 1116 Foxwood

City: Raymore **Zip:** 64083

Connection Type: Sheet Flow **Other**

Discharge To: Pavement **Other**

Flow Observed? No

High Risk Industry? No **Industry Type:**

Discharge Directly into Water? No **Receiving Water Name:** East Creek

Comments: No litter or grease



Stormwater BMP Inspection Form - Dry Detention
City of Raymore, Missouri

Address: The Depot

Owner: Thompson Thrift

Date: 11/17/2023

Inspector L. Crandell

BMP I.D.: SI3346A

I. REASON FOR INSPECTION		
	Initial	Other:
II. BMP'S AND INSPECTION RESULTS		
Item	Inspection Results	BMP's in General
1	Apparent problems	
2	Design flaws	Previous design flaw remedied. Overflow structure
3	Unauthorized modifications	SI3346A
4	BMP Removed	
5	Trash	
6	Contaminated	
7	Smells	
Item	Inspection Results	BMP: Dry Detention
1	Weeds	
2	Brush/Trees	
3	Sediment accumulated	
4	Erosion	
5	Rodent holes	
6	Insects	
7	Standing water	
8	Non level berm	
9	Contaminated	
10	Clogged	
11	Spillway in disrepair	
12	Rip rap needs repair	
13	Forebay non-operational	
14	Trash racks need cleaning	
15	Pipes/structural repairs needed	
16	Sediment in overflow	
17	Dam needs repair	
18	Slope protection failure	
(If an item in the left column contains "Yes," corrective maintenance is required)		
1. Is maintenance needed at this time? No		
2. Date maintenance is to be completed: 11/17/2023		
3. Comments/Notes:		
III. FOLLOW-UP		
1. Describe corrective actions taken:		
2. Date Corrected:		

MCM 4: Construction Site Stormwater Runoff Control (4.4)

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.4.A	Y	Have an ordinance requiring runoff BMPs for sites greater than 1 acre	Regulatory mechanism links in the SMP. Land Disturbance/Grading Application and Checklist UDC Chapter 455 Natural Resource Protection	Completed	No modification
4.4.B	Y	Review Pre-construction Plans	Plans do not proceed without review	Completed	Completed
4.4.C-G	Y	Maintain and enforce runoff control policies to ensure compliance	*Plan Review Checklist *UDC Enforcement *Erosion Control Violation Notices *Individual site SWPPPS and site contractor emailed reports *Land Disturbance Permits *Builders on line erosion control training certification	Policies and requirements in place are effective. The City is utilizing SWPPPTrak software to track open construction sites and notify operators of violations.	No modifications at this time.

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.4.K	Y	Provide construction site runoff control training to City inspectors and plan reviewers annually	Sign in sheets	This information is relayed during weekly meetings with engineering staff and during plan review with Development Services on an ongoing basis	No modification
4.4.L	Y	Provide written procedures outline inspection and enforcement procedures to inspectors	Links available in the SMP: *Large Residential & Commercial SOPs and Checklists *Erosion Control Inspection Checklist and SOP	Completed	No modifications
4.4.M	Y	Evaluate MCM4		See above	No modifications



PLAN REVIEW CHECKLIST

DATE _____

Reviewer _____

COVER PAGE

- n/a Project Name
- n/a Vicinity Map n/a Utility Contact Information
- n/a Developer's Contact Information
- n/a Design Engineer's Contact Information
- n/a Design Engineer's Signature & Seal
- n/a List of Drawings

STORMWATER (Technical Specifications STM-1) PUBLIC _____

- n/a Overview sheet of entire project
- n/a All exposed concrete shall be KCMMB 4K mix

- n/a Plan and profile
 - n/a Appropriate call-outs on the plan view showing type of storm inlet to be constructed, with appropriate reference to detail sheet number
 - n/a Hydraulic grade line of design storm shown in profile view
 - n/a Flowline elevations called-out on storm structures

- n/a Detention/Retention basin
 - n/a Detention basin design, including outlet structure details, anti-clogging Measures
 - n/a 40-hour extended detention within the detention basin
 - n/a Calculations for the 40-hour extended detention contained within the detention report
 - n/a Retention basin design, including emergency drawdown measures

___ n/a Master Drainage Plan (MDP)

- ___ n/a MDP included**
- ___ n/a Contour lines shown on the MDP at an appropriate contour interval**
- ___ n/a Drainage flow arrows on MDP as appropriate**
- ___ n/a Stream buffers shown on MDP, plans, and Plat**
- ___ n/a Regulatory floodplain limits shown on MDP or plans**
- ___ n/a Swales and diversion berms shown on MDP**
- ___ n/a Minimum Building Opening Elevations (MBOEs) shown on the MDP**
- ___ n/a MBOEs set at a minimum of 2.0 feet above the 100-year water surface Elevation**
- ___ n/a Elevation of the 100-year water surface elevation within designated Swales**
- ___ n/a Emergency overflow swales shown on the MDP**
- ___ n/a Existing and finish lot corner elevations shown on the MDP**
- ___ n/a Basement type shown on the MDP (standard, daylight, walk-out or walkout)**

___ n/a Stormwater Design

- ___ n/a Stormwater conveyance system calculations provided within the plans (i.e., not a bound report)**
- ___ n/a Sufficient number of storm inlets in rear yards to capture no more than 2 acres**
- ___ n/a Elevation of 100-year water surface elevation within designated swales**
- ___ n/a Maximum of 400 feet spacing between curb inlets**
- ___ n/a Culvert design calculations using appropriate modeling**
- ___ n/a Box culvert design provided (i.e., designed to HL93 loading)**
- ___ n/a Mud mat shown for cast-in-place box culverts**
- ___ n/a Note stating the City to review shop drawing for box culvert prior to Approval**
- ___ n/a Velocity calculations at discharge points**
- ___ n/a No adverse impact on adjacent property owners**
- ___ n/a Rip rap dimensions or other energy dissipation features**
- ___ n/a Rip rap calculations included in plans (i.e., not a bound report)**

___ n/a Floodplain development permit, if needed

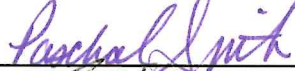

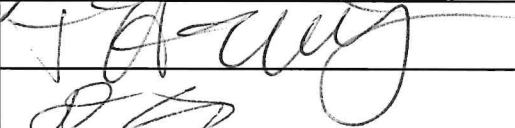

___ n/a Standard Details

- ___ n/a Curb inlet**
- ___ n/a Junction box**
- ___ n/a Field inlet**
- ___ n/a Grated inlet**
- ___ n/a Other standard details as needed**

Employee Training Log City of Raymore, Missouri

Training Date: 3/9/23 Trainer: Crandell

Training Description: Tracking Land Disturbance- ENG/Building

Employee Name	Employee Signature
Paschal Smith	
Phil Becker	
Tina Sabery	
Dylan Epperly	
Brandon Kella	Brandon Keller

Please attach syllabus or handouts.

MCM 5: Post-Construction Stormwater Management in New and Redevelopment (4.5)

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.5.A	Y	Maintain and utilize an ordinance to address post-construction runoff	Links available in the SMP on City's website. Unified Development Code 455 and 450	Completed	None
4.5.B	Y	Continue a strategy to minimize water quality impacts	Links available in the SMP on City's website. *APWA 5600 *UDC 450 Stormwater Management *UDC 455 Natural Resource Protection * UDC 455.040 Stream Buffer Protection	Completed	None
4.5.C	Y	Pre-construction plan review	Attached Plan Review Checklist	Completed	None
4.5.D	Y	Have enforcement mechanism to ensure long term O&M of selected BMPs	Link available in the SMP on City's website. <ul style="list-style-type: none"> UDC 450.090 BMP Surety and Enforcement 	The City requires Stormwater Treatment Facility Maintenance bonds and agreement on all publicly accepted BMPs. Including a notarized maintenance schedule and the responsible party.	None

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.5.E & H	Y	Inspect BMPs during and post-construction. Inventory post - construction BMPs	BMP Inspection Form Attached	In the process of entering historical and new BMPs into software	Added software to SWPPPTrak to schedule and notify of post-construction BMP inspections on an initial and 5 year rotation.
4.5.F-G	Y	Maintain a plan designed to ensure compliance with post-construction regulatory mechanism	Link available in the SMP on City's website. UDC 450.110 Maintenance Enforcement of Stormwater Facilities	Completed	None
4.5.I	Y	Track post-construction BMP inspections	Copies of inspection reports are kept	Completed	Completed
4.5.L	Y	Training for City Inspectors	Sign in sheets	Completed within other MCMs	
4.5.M	Y	Evaluate MCM5		See above	Modified 4.5.E



come home to **more**

Stormwater Control Measures Inspection Report Site Inspection Report

Report Generated: 02-08-24 11:13am

Project Name:	The Depot	Jurisdiction:	Raymore Missouri
Inspected:	Entire Project		
Owner:	Lorie Crandell Raymore Missouri lcrandell@raymore.com	Inspector:	Lorie Crandell
		Inspection Completed:	02-08-2024 10:43 am
		Report Completed:	02-08-2024 10:43 am
		Inspection weather:	Temperature: 60 degrees, Clear, Moderate Winds
		Inspection Type:	SWPPP Compliance
		Current Activity:	Not Applicable;
		Current Site Status:	Substantially Compliant

1)	Do conditions exist that prevent inspection at this time?	No
2)	Are all required access pathways available and adequately maintained?	Yes
3)	Are relevant components of the BMP (i.e. slopes, buffers, channels, outlets, inlets, spillways) free of evidence of erosion?	Yes
4)	Are relevant components of the BMP (i.e. slopes, buffers, channels, outlets, inlets, forebay, pond bottom) free of evidence of excessive sediment accumulation?	Yes
5)	Is riprap installed as required and adequately maintained?	Yes
6)	Are inlet structural components properly maintained & functioning?	Yes
7)	Are risers and trash racks installed, as required, functioning and properly maintained?	Yes



come home to **more**

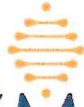
**Stormwater Control Measures Inspection Report
Site Inspection Report**

Report Generated: 02-08-24 11:13am

- | | | |
|------------|---|----------------------|
| 8) | Is the water quality orifice visible, free of obstruction & properly functioning? | Yes |
| 9) | Are outlet structural components properly maintained & functioning? | Yes |
| 10) | Are all components of the BMP free of trash and debris? | Yes |
| 11) | Is vegetation adequately established and maintained? | Yes |
| 12) | Is the BMP free of unwanted trails and animal burrows? | Yes |
| 13) | Is the BMP free of noxious weeds and invasive species? | Yes |
| 14) | Are embankments adequately maintained free of evidence of material defects (cracks, depressions, bulges, settlement, seepage, etc.)? | Yes |
| 15) | General Notes/ Photos | None recorded |
| 16) | Do items of non-compliance other than those previously noted exist? | No |



Photo 1 - 2/08/2024 12:13pm



RAYMORE

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Stormwater Control Measures Inspection Report Site Inspection Report

Report Generated: 02-08-24 11:13am



Photo 2 - 2/08/2024 12:13pm

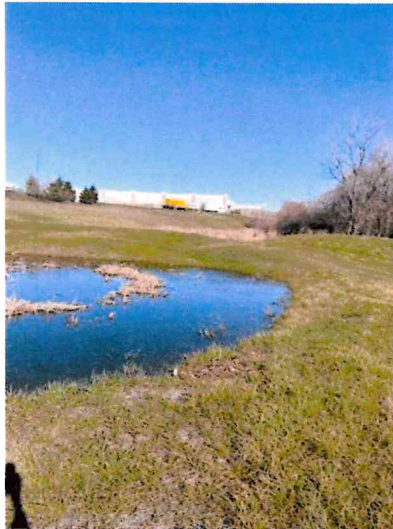


Photo 3 - 2/08/2024 12:13pm



RAYMORE

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Stormwater Control Measures Inspection Report Site Inspection Report

Report Generated: 02-08-24 11:13am

Inspected by: _____

Lorie Crandell
Stormwater Quality Specialist
City of Raymore
(816) 892-3019
lcrandel@raymore.com

MCM 6: Pollution Prevention/Good Housekeeping for Municipal Operations (4.6)

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.6.A-C	Y	Maintain and utilize an annual training program for municipal employees	Sign in sheets	In person training is more effective and easier to document	No. Conduct in -person group training during Public Works Week Activities
4.6.D	Y	Maintain a list of Municipal facilities	List is maintained in the SMP	Up to Date	None
4.6.E	Y	Maintain a list of facilities subject to permit for industrial activity	N/A	N/A	None
4.6.F	Y	Maintain controls for reducing or eliminating discharge of floatables and pollutants from Municipal facilities	SOPs and SWPPPS on file for each facility	Effective	None
4.6.G	Y	Have procedures for proper disposal of waste removed from City areas of jurisdiction	SOPs and SWPPPS on file for each facility	Waste removed from the City's street sweeping program is properly disposed using a contracted waste disposal company	None
4.6.H	Y	Maintain and utilize procedures for washing of municipal vehicles and equipment	SOPs and SWPPPS on file for each facility	All city-owned vehicles are washed at the city owned car wash bay. The bays are connected to the sanitary sewer and have oil-water separators that are cleaned by a contractor as needed	None

Permit Section	Goal Achieved	Action	Documentation	Evaluation	Modified
4.6.I	Y	Maintain written explanation of controls and procedures	Individual SWPPPs for each facility are maintained	Effective	None
4.5.K,L,M	Y	Evaluate/review MCM6	See above	Complete	None

Operations and Maintenance Facility Inspection Report

City of Raymore, Missouri

Issue Evaluated	Yes	No	N/A	Comments/Corrective Action
Are areas around trash receptacles clean?	X			
Are receptacle lids being used?	X			
Is the area around the covered salt storage free of significant salt?	X			N/A at this time
Is there a buildup of oil and grease in parking areas?		X		
Is any material (oil, mud, etc.) being tracked into the street?		X		
Are drainage swales, catch basins and/or grates free of debris (leaves, paper, etc)?	X			
Are there any new areas of erosion or poor vegetation?		X		
Are stockpiled materials(sand, topsoil, etc.) being contained?	X			
Are BMP's functioning properly?	X			
Are all drums(fluids) stored inside Operations Maintenance Bay?	X			
Are there any leaks or stains around drums,tanks or containers?		X		
Are vehicle maintenance areas swept and clean of oil and grease buildup?	X			
Are spill prevention kits stocked and accessible?	X			

Comments:

Name: _____ Lorie A. Crandell _____

Signature: _____  _____ Date: _____ 7/24/2023 _____



SAFETY MEETING SIGN-UP SHEET

TOPIC: Annual Snow Plow Meeting

ADD. TOPICS : STORMWATER (IDDE) Training By L. CRANDELL

CONDUCTED BY: Steve Welch

DATE: 10/13/23

Lorie Crandell

PRINT NAME

SIGNATURE

Paschal Smith	
Trent Salisbury	
Justin Park	
Chanté Thomas	
Jordan Doty	
Clayton Rice	
Alce Fawcett	
Jeff Schmitt	
Colby York	
Eddie Gomez	
Robert Norman	
Bud Wilson	
Jeff Purvis	
John DeFilippo	
Zachary Frazer	



SAFETY MEETING SIGN-UP SHEET

TOPIC: Annual Snow Plow Meeting

IDDE Training - Stormwater

CONDUCTED BY: Steve Welch

DATE: 10/13/23

Lorie Crandell

PRINT NAME

SIGNATURE

*Margie Sullivan
Mike Donahoe
Elizabeth Southard*

*Margie Sullivan
Mike Donahoe
Elizabeth Southard*

*Topics - Illicit Discharge Reporting
Good Housekeeping*