Appendix F

Monitoring, Recordkeeping & Reporting

Annual Stormwater Report Form Salt Lake County year 2025

Utah Pollutant Discharge Elimination System Storm Water Program
MS4 Report Form

The purpose of this report is to contribute information to an evaluation of the UPDES municipal separate storm sewer system (MS4) permit program. Consistent with 40 CFR §122.37 the Utah Department of Environmental Quality is assessing the status of the storm water program. A "no" answer to a question does not necessarily mean noncompliance with your permit or with the federal regulations. In order to establish the range of variability in the program it is necessary to ask questions along a fairly broad performance continuum.

1. MS4 Information

Salt Lake County
_____
Name of MS4

Kade   Moncur   Director of Flood Control & Engineering
_____   _____   _____
Name of Contact Person (First)   (Last)   (Title)

(385) 468-6600   kmoncur@saltlakecounty.gov
_____   _____
Telephone (including area code)   Email

2001 South State Street N3-120
_____
Mailing Address

Salt Lake City   UT   84190
_____   ____   _____
City   State   ZIP code

What size population does your MS4 serve? N/A   UPDES number UTS000001

What is the reporting period for this report? (mm/dd/yyyy)   From 07/01/2023 to 06/30/2024

2. Water Quality Priorities

A. Does your MS4 discharge to waters listed as impaired on a state 303(d) list?   ☐ Yes   ☑ No

B. If yes, identify each impaired water, the impairment, whether a TMDL has been approved by EPA for each, and whether the TMDL assigns a wasteload allocation to your MS4. Use a new line for each impairment, and attach additional pages as necessary.

Impaired Water	Impairment	Approved TMDL		TMDL assigns WLA to MS4	
Jordan River	Macros, E. Coli, TDS, Phos, DO	☐ Yes	☑ No	☐ Yes	☑ No
Big Cottonwood Creek	E. Coli, Cadmium, Copper	☐ Yes	☑ No	☐ Yes	☑ No
Parleys Creek	E. Coli, Macros, Cadmium, DO	☐ Yes	☑ No	☐ Yes	☑ No
Little Cottonwood Creek	E. Coli, pH, Copper, Cadmium	☐ Yes	☑ No	☐ Yes	☑ No
Emigration Creek	E. Coli	☑ Yes	☐ No	☐ Yes	☑ No
Lower Emigration Creek	E. Coli	☐ Yes	☑ No	☐ Yes	☑ No
		☐ Yes	☐ No	☐ Yes	☐ No
		☐ Yes	☐ No	☐ Yes	☐ No

C. What specific sources contributing to the impairment(s) are you targeting in your storm water program?
The Public Education campaign targets pet waste, trash, auto fluids, DO, etc.

D. Do you discharge to any high-quality waters (e.g., Tier 2, Tier 3, outstanding natural resource waters, or other state or federal designation)?   ☐ Yes   ☑ No

E. Are you implementing additional specific provisions to ensure their continued integrity?   ☐ Yes   ☑ No

3. Public Education and Public Participation

A. Is your public education program targeting specific pollutants and sources of those pollutants?   ☑ Yes   ☐ No

B. If yes, what are the specific sources and/or pollutants addressed by your public education program?
   E. Coli (pet waste), grass clippings, vehicle washing, HHW, TDS

C. Note specific successful <u>outcome(s)</u> (e.g., quantified reduction in fertilizer use; NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.
   This is tracked in the Salt Lake County Stormwater Coalition Annual Report

D. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your storm water program?   ☑ Yes   ☐ No

E. Do you belong to a storm water coalition or other advisory committee? If yes, describe: ☑ Yes   ☐ No
   Salt Lake County Stormwater Coalition, Utah Stormwater Advisory Committee, APWA

4. Construction

A. Do you have an ordinance or other regulatory mechanism stipulating:

Erosion and sediment control requirements?	☑ Yes	☐ No
Other construction waste control requirements?	☑ Yes	☐ No
Requirement to submit construction plans for review?	☑ Yes	☐ No
MS4 enforcement authority?	☑ Yes	☐ No

B. Do you have written procedures for:

Reviewing construction plans?	☑ Yes	☐ No
Performing inspections?	☑ Yes	☐ No
Responding to violations?	☑ Yes	☐ No

C. What is the threshold for construction storm water plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? Disturb >1 acre, within 50ft of wetlands, or <1 acre but part of a common plan of development

D. Identify the number of active construction sites ≥ 1 acre in operation in your jurisdiction at any time during the reporting period. 2

E. How many of the sites identified in 4.D did you inspect during this reporting period? 2

F. Identify the number of active construction sites < 1 acre in operation in your jurisdiction at any time during the reporting period. 0

G. How many of the sites identified in 4.F did you inspect during this reporting period? 0

H. Describe, on average, the frequency with which your program conducts construction site inspections.
   Monthly or bi-weekly

I. Do you prioritize certain construction sites for more frequent inspections?   ☑ Yes   ☐ No
   If Yes, based on what criteria? Proximity to water body

J. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

☐ Yes	Notice of violation	#_____	No Authority ☐
☐ Yes	Administrative fines	#_____	No Authority ☐
☐ Yes	Stop Work Orders	#_____	No Authority ☐
☐ Yes	Civil penalties	#_____	No Authority ☐
☐ Yes	Criminal actions	#_____	No Authority ☐
☐ Yes	Administrative orders	#_____	No Authority ☐
☐ Yes	Other _____	#_____	

K. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations,   ☑ Yes   ☐ No
    inspection results, and enforcement actions of active construction sites in your jurisdiction?

L. What are the 3 most common types of violations documented during this reporting period?
    N/A

M. How often do municipal employees receive training on the construction program? Annually or as needed

5. Illicit Discharge Elimination

A. Have you completed a map of all outfalls and receiving waters of your storm sewer system?   ☐ Yes   ☐ No

B. Have you completed a map of all storm drain pipes and other conveyances in the storm sewer   ☐ Yes   ☐ No
    system?

C. Identify the number of outfalls in your storm sewer system. N/A

D. Identify the number of Class V injection wells in your jurisdiction. N/A

E. Do you have documented procedures, including frequency, for screening outfalls?   ☐ Yes   ☐ No

F. Of the outfalls identified in 5.C, how many were screened for dry weather discharges during this reporting period?
    N/A

G. Of the outfalls identified in 5.C, how many have been screened for dry weather discharges at any time since you obtained
    MS4 permit coverage? N/A

H. What is your frequency for screening outfalls for illicit discharges? Describe any variation based on size/type.
    N/A

I. Do you have an ordinance or other regulatory mechanism that effectively prohibits illicit   ☑ Yes   ☐ No
    discharges?

J. Do you have documented procedures for tracing and removing an illegal discharge?   ☑ Yes   ☐ No

K. Do you have an ordinance or other regulatory mechanism that provides authority for you to   ☑ Yes   ☐ No
    take enforcement action and/or recover costs for addressing illicit discharges?

L. During this reporting period, how many illicit discharges/illegal connections have you discovered? 2

M. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated?
    2

N. Identify which of the following types of enforcement actions you used during the reporting period for illicit discharges,
    indicate the number of actions, or note those for which you do not have authority:

    ☐ Yes   Notice of violation   #_____   No Authority ☐

    ☐ Yes   Administrative fines   #_____   No Authority ☐

    ☐ Yes   Stop Work Orders   #_____   No Authority ☐

    ☐ Yes   Civil penalties   #_____   No Authority ☐

    ☐ Yes   Criminal actions   #_____   No Authority ☐

    ☐ Yes   Administrative orders   #_____   No Authority ☐

    ☐ Yes   Other _____   #_____

O. How often do municipal employees receive training on the illicit discharge program? Annually or as needed

6. Storm Water Management for Municipal Operations

A. Have storm water pollution prevention plans (or an equivalent plan) been developed for:

All public parks, ball fields, other recreational facilities and other open spaces	☑ Yes	☐ No
All municipal construction activities, including those disturbing less than 1 acre	☑ Yes	☐ No
All municipal turf grass/landscape management activities	☑ Yes	☐ No
All municipal vehicle fueling, operation and maintenance activities	☑ Yes	☐ No
All municipal maintenance yards	☑ Yes	☐ No
All municipal waste handling and disposal areas	☑ Yes	☐ No

Other _____

B. Are storm water inspections conducted at these facilities? ☑ Yes ☐ No

C. If Yes, at what frequency are inspections conducted? Monthly, semi-annually, or annually

D. List activities for which operating procedures or management practices specific to storm water management have been developed (e.g., road repairs, catch basin cleaning).
   SWPPPs have been implemented for High Priority Facilities, specific SOPs for all others

E. Do you prioritize certain municipal activities and/or facilities for more frequent inspection? ☑ Yes ☐ No

F. If Yes, which activities and/or facilities receive most frequent inspections? High Priority Facilities

G. How are you disposing of catch basin decant water and solid material?
   Sanitary sewer system & SLC Landfill

H. Are municipal vehicles washed into an approved wastewater disposal system? ☑ Yes ☐ No

I. Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management? ☑ Yes ☐ No

J. If yes, do you also provide regular updates and refreshers? ☑ Yes ☐ No

K. If so, how frequently and/or under what circumstances? Annually or as needed

7. Long-term (Post-Construction) Storm Water Measures

A. Do you have an ordinance or other regulatory mechanism to require:

Site plan reviews for storm water/water quality of all new and re-development projects?	☑ Yes	☐ No
Long-term operation and maintenance of storm water management controls?	☑ Yes	☐ No
Retrofitting to incorporate long-term storm water management controls?	☑ Yes	☐ No

B. If you have retrofit requirements, what are the circumstances/criteria?
   Impaired water body, hydrologic condition, LEED status (or equivalent), impervious surface, etc.

C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., all projects, projects disturbing greater than one acre, etc.) All projects disturbing >1 acre

D. Do you require water quality or quantity design standards or performance standards, either directly or by reference to a state or other standard, be met for new development and re-development? ☑ Yes ☐ No

E. Do these performance or design standards require that pre-development hydrology be met for:

Flow volumes	☑ Yes	☐ No
Peak discharge rates	☑ Yes	☐ No
Discharge frequency	☑ Yes	☐ No
Flow duration	☑ Yes	☐ No

F. Please provide the URL/reference where all post-construction storm water management standards can be found.

www.saltlakecounty.gov/engineering/stormwater

G. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? N/A

H. How many of the plans identified in 7.G were approved? N/A

I. How many privately owned permanent storm water management practices/facilities were inspected during the reporting period? N/A

J. How many of the practices/facilities identified in I were found to have inadequate maintenance? N/A

K. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections? N/A

L. Do you have authority to take enforcement action for failure to properly operate and maintain storm water practices/facilities? ☐ Yes ☑ No

M. How many formal enforcement actions (i.e., more than a verbal or written warning) were taken for failure to adequately operate and/or maintain storm water management practices? N/A

N. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? ☐ Yes ☐ No

O. Do all municipal departments and/or staff (as relevant) have access to this tracking system? ☐ Yes ☐ No

P. How often do municipal employees receive training on the post-construction program? Annually & as needed

8. Program Resources

A. What was the annual expenditure to implement MS4 permit requirements this reporting period? 290,120

B. What is next year's budget for implementing the requirements of your MS4 UPDES permit? 290,120

C. This year what is/are your source(s) of funding for the storm water program, and annual revenue (amount or percentage) derived from each?

Source: Salt Lake County General Fund   Amount $ 290,120   OR % 100

Source: _____   Amount $ _____   OR % _____

Source: _____   Amount $ _____   OR % _____

D. How many FTEs does your municipality devote to the storm water program (specifically for implementing the storm water program; not municipal employees with other primary responsibilities)? 1.2

E. Do you share program implementation responsibilities with any other entities? ☑ Yes ☐ No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
Health Dep & County Agencies	IDDE, HHW, P2	Permit Holder, MOU, LOU
SLCo SW Coalition	Public Education/Involvement budget	Administer Public Education Program/Contacts
Jordan Valley Co-Permittees	MCM 1 & 2 Administration	Co-Permittee Administration/Contract & MOU

9. Evaluating/Measuring Progress

A. What indicators do you use to evaluate the overall effectiveness of your storm water management program, how long have you been tracking them, and at what frequency? These are not measurable goals for individual management practices or tasks, but large-scale or long-term metrics for the overall program, such as macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
Public Education/Social Metric	1995	1 x 5 years	
Water Quality Fair Attendees	2007	Annually	
Stream Stability	2008	Annually	All
E. Coli, coliform sampling	2010	Monthly	55
Macroinvertebrate Community	2009	Annually	50

B. What environmental quality trends have you documented over the duration of your storm water program? Reports or summaries can be attached electronically, or provide the URL to where they may be found on the Web.

Social and behavioral changes are within the 5 year action plan of the Salt Lake County Stormwater Coalition, and are stated in the Coalition Annual Report, found at www.stormwatercoalition.org

10. *E. coli* TMDL Compliance Report

Section required for permittees that discharge to waters listed on the Utah 303(d) list as impaired for *E. coli* for which storm water is a contributing source per the *Jordan River Watershed Wide E. coli TMDL*. <u>All other permittees leave this section blank.</u>

Public Education & Outreach

1. What sources of *E. coli* have been identified in your MS4? (check all that apply)
   - ☑ MS4s
   - ☐ WWTPs
   - ☐ Industrial Stormwater
   - ☐ Construction Stormwater
   - ☐ Urban (Impervious Surfaces, Recreationists and unhoused population, Stormwater Outfalls)
   - ☐ Agriculture (Livestock, irrigated pastures, canals with potential to discharge)
   - ☑ Wildlife (Waterfowl, deer, elk, etc.)
   - ☐ Onsite Wastewater Systems
   - ☑ Domestic Pets
   - ☑ E. coli impaired upstream AUs
   - ☐ Other (please list) : _____

2. What audiences have you targeted for education and outreach based on the sources above? (list below) Residents, employees

3. Do you use a collaborative program to meet E. coli TMDL permit requirements?
   a. If yes, list: Salt Lake County Stormwater Coalition

Illicit Discharge Detection and Elimination (IDDE)

4. How many priority areas (that are potential sources of *E. coli*) within your MS4 have you identified? 20
   a. Are there additional areas to be inventoried (yes/**no**)?
   b. How many priority areas were inspected in this reporting term? 20

5. Has the MS4 **created a plan to implement** BMPs (structural or non-structural) for the *E. coli* sources identified in the inventory above (**yes**/no) ? Yes ▼
   a. If yes, what BMPs have you prioritized? (check all that apply)
      - ☑ Increase sweeping at priority areas
      - ☐ Clean-up of pet & waterfowl areas prior to storm events
      - ☑ Keep pet waste bags stocked
      - ☑ Clean out pet waste receptacles regularly (so they don't overfill)
      - ☐ Educate on regular septic system maintenance
      - ☐ Partner with programs to work with unhoused populations
      - ☐ Require regular septic system maintenance
      - ☑ Regularly educate target audiences
      - ☐ Increase waste containment areas
      - ☐ Run on diversion (from sources of E. coli)

☐ Identification and repair of illicit cross-connections

☐ Updates to MS4 infrastructure

☐ Installation of LID controls with bacterial listed as a medium to high effectiveness

☐ Others:_____

6. Have you implemented any BMPs specific to *E. coli* source reduction during this reporting period (yes/no)? Yes ▼

    a. If yes, what BMPs have you implemented? (check all that apply)

      ☑ Increase sweeping at priority areas

      ☐ Clean-up of pet & waterfowl areas prior to storm events

      ☑ Keep pet waste bags stocked

      ☑ Clean out pet waste receptacles regularly (so they don't overfill)

      ☐ Educate on regular septic system maintenance

      ☐ Partner with programs to work with unhoused populations

      ☐ Require regular septic system maintenance

      ☑ Regularly educate target audiences

      ☐ Increase waste containment areas

      ☐ Run on diversion (from sources of E. coli)

      ☐ Identification and repair of illicit cross-connections

      ☐ Updates to MS4 infrastructure

      ☐ Installation of LID controls with bacterial listed as a medium to high effectiveness

      ☑ Others: SWPPPs for High Priority Facilities, additional signage

Post-Construction

7. Which LID controls do you promote (please list)? Vegetated strip, rain gardens, pervious surfaces, et

8. Have you added *E. coli* reduction to your retrofit plan for prioritizing retrofit sites (yes/no) ?

    a. If yes, have you retrofit any sites during this reporting period for *E. coli* reduction (yes/no)?

    b. If yes, please list the retrofit site: N/A

Pollution Prevention & Good-Housekeeping

9. How many MS4-owned or operated sites were identified as having potential sources of *E. coli* (please list sites)? 20 (See TMDL Compliance Plan for full list)

10. Were any MS4-owned or operated added to the list of high-priority sites based on potential for *E. coli* contamination (yes/no)?

    a. If yes, were BMPs utilized/installed to prevent E. coli contamination (yes/no) ?

    b. If yes, please list BMPs utilized or installed: Signage, pet waste bags

11. Were SOPs for street sweeping & storm sewer system maintenance updated (yes/no) ?

    a. If yes, do the updated SOPs contain a schedule for maintenance of priority areas (yes/no) ? Yes   ▾

Wet-Weather Monitoring

12. Did you collect fall & spring samples for *E. coli* in this reporting period (yes/no)?
13. Do the sampling results indicate compliance with the Jordan River *E. coli* TMDL (yes/no)? N/A
    a. If not, what is your plan to reduce *E. coli* contamination during the next reporting period?_____

11. Additional Information

In the space below, please include any additional information on the performance of your MS4 program. If providing clarification to any of the questions on this form, please provide the question number (e.g., 2C) in your response.

Salt Lake County Stormwater Coalition 2024 Annual Report

Salt Lake County Stormwater Coalition website: www.stormwatercoalition.org

Salt Lake County TMDL Compliance Plan

Certification Statement and Signature

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.

☑ Yes

_____   9/16/2024
Name of Certifying Official, Title   Date (mm/dd/yyyy)