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Utah Pollutant Discharge Elimination System Storm Water Program

Small MS4 Report Form

The purpose of this report is to contribute information to an evaluation of the UPDES small 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

University of Utah

Name of MS4

Christian Buehler Environmental Compliance Coordinator

Name of Contact Person (First)

(Last)

(Title)

(801) 581-4264

christian.buehler@ehs.utah.edu

Telephone (including area code)

Email

125 S. Fort Douglas Blvd.

Mailing Address

Salt Lake City

UT

84113

City

State

ZIP code

What size population does your MS4 serve? 49,000

UPDES number 090024

What is the reporting period for this report? (mm/dd/yyyy)

From 07/01/2018 to 06/30/2019

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	Organic Matter	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Jordan River	Dissolved Oxygen	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" 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	<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

C. What specific sources contributing to the impairment(s) are you targeting in your storm water program?

Landscape Maintenance and Parking Lots

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?
Sediment, floatables (leaves, litter, debris), pet waste, oil, grease, and vehicle fluids
- C. Note specific successful outcome(s) (e.g., quantified reduction in fertilizer use; NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.
Fewer corrective actions; less illicit discharges reaching a stormwater inlet
- 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
Utah Storm Water Advisory Committee (USWAC.org)

4. Construction

- A. Do you have an ordinance or other regulatory mechanism stipulating:
- | | | |
|--|---|-----------------------------|
| Erosion and sediment control requirements? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Other construction waste control requirements? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Requirement to submit construction plans for review? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| MS4 enforcement authority? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
- B. Do you have written procedures for:
- | | | |
|-------------------------------|---|-----------------------------|
| Reviewing construction plans? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Performing inspections? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Responding to violations? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
- C. What is the threshold for construction storm water plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? Projects disturbing greater than 1 acre
- D. Identify the number of active construction sites ≥ 1 acre in operation in your jurisdiction at any time during the reporting period. 14
- E. How many of the sites identified in 4.D did you inspect during this reporting period? 100%
- F. Identify the number of active construction sites < 1 acre in operation in your jurisdiction at any time during the reporting period. 10-20
- 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-monthly for "high priority" sites
- I. Do you prioritize certain construction sites for more frequent inspections? ☒ Yes ☐ No
 If Yes, based on what criteria? Proximity to Red Butte Creek, compliance history
- 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:
- | | | | |
|---|---------------------------------------|-------------------|---------------------------------------|
| <input type="checkbox"/> Yes | Notice of violation | # <u> </u> | No Authority <input type="checkbox"/> |
| <input type="checkbox"/> Yes | Administrative fines | # <u> </u> | No Authority <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Yes | Stop Work Orders | # <u>0</u> | No Authority <input type="checkbox"/> |
| <input type="checkbox"/> Yes | Civil penalties | # <u> </u> | No Authority <input type="checkbox"/> |
| <input type="checkbox"/> Yes | Criminal actions | # <u> </u> | No Authority <input type="checkbox"/> |
| <input type="checkbox"/> Yes | Administrative orders | # <u> </u> | No Authority <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Yes | Other <u>Corrective Action Notice</u> | # <u>23</u> | |

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

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

Offsite tracking, site exit upkeep, inadequate street sweeping

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

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 system? ☒ Yes ☐ No

C. Identify the number of outfalls in your storm sewer system. 12

D. Identify the number of Class V injection wells in your jurisdiction. 9

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?
12

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? all

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

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

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 take enforcement action and/or recover costs for addressing illicit discharges? ☒ Yes ☐ No

L. During this reporting period, how many illicit discharges/illegal connections have you discovered? 4

M. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated?
4

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 # 0 No Authority ☐

☐ Yes Civil penalties # No Authority ☐

☐ Yes Criminal actions # No Authority ☐

☐ Yes Administrative orders # No Authority ☐

☒ Yes Other Report to SLVHD # 1

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

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 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal construction activities, including those disturbing less than 1 acre | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal turf grass/landscape management activities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal vehicle fueling, operation and maintenance activities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal maintenance yards | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal waste handling and disposal areas | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Other _____ | | |
- B. Are storm water inspections conducted at these facilities? ☒ Yes ☐ No
- C. If Yes, at what frequency are inspections conducted? Quarterly, Annually, and during select rain events
- 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).
See attached list on pg. 7
- 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? Material storage area
- G. How are you disposing of catch basin decant water and solid material?
Materials are placed in sealed roll off containers
- 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 on an as needed basis

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? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Long-term operation and maintenance of storm water management controls? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Retrofitting to incorporate long-term storm water management controls? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
- B. If you have retrofit requirements, what are the circumstances/criteria?
Exisiting infrastructure capacities/failing conditions
- 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.) Projects greater than 1 acre in size
- 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 | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Peak discharge rates | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Discharge frequency | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Flow duration | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

- ## 8. Program Resources

- | Entity | Activity/Task/Responsibility | Your Oversight/Accountability Mechanism |
|--------|------------------------------|---|
| | | |
| | | |

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

- 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.

The University of Utah is currently developing a storm water monitoring plan:

Macroinvertebrate community indices, measuring effective impervious cover in the watershed, and indicators of in-stream hydrologic stability are examples of large-scale metrics that could be used for the program. Once a baseline of the stormwater parameter levels at the University are taken, environmental quality trends will be documented in section 9 of the form.



10. 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.

6.D List of Standard Operating Procedures for operations & maintenance (SWMP, Appendix B)**Plumbing:**

- Catch basins and manholes
- Culvert and Pipe
- Storm Water Structures
- Sumps and Injection wells

Heavy Equipment Dept.:

- Vehicle Washing
- Vehicle and Equipment Storage
- Material Storage Area
- Heavy Equipment Storage
- Parking Lot and street maintenance
- Parking lot and street sweeping
- Snow removal and deicing
- Utility service yard
- Permeable pavement maintenance

Special Events:

- Waste Management/Special Events

Carpentry Shop:

- In-House Painting
- In-House Concrete work
- Power Pressure Washing

Landscape Maintenance:

- Chemical use/storage/disposal
- Sidewalk Deicing
- General Landscaping

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.

☒ YesRobin Burr

Name of Certifying Official, Title

09-30-2019

Date (mm/dd/yyyy)