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		E	nvironme	ntal Systems	Admin.
Name of Contact Person (First)	(Last)		(7	itle)		
(801) 581-4264	ch	ristian.buehle	er@ehs	.utah.edu	<u> </u>	
Telephone (including area code)	En	nail				
125 S. Fort Douglas Blvd.	***					/##.
Mailing Address						
Salt Lake City		UT	8	4113		
City		State	ZI	P code		
What size population does your M	S4 serve? 49,000	UPDES num	ber 09	0024		
What is the reporting period for thi	is report? (mm/dd/vvvv)	From 07/01	/2019	to 06/3	30/2020	-
Trime is the reporting period for the	is topote. (minutally)	31			50	
2. Water Quality Priorities	5					
A. Does your MS4 discharge to v	waters listed as impaired or	a state 303(d) l	ist?	V]Yes □ N	o
B. If yes, identify each impaired the TMDL assigns a wasteloa necessary.						
Impaired Water	Impairment		Approve	TMDL	TMDL assigns	WLA to M
Jordan River	Organic Matter] Yes	☑ No	☐ Yes	☑ No
Jordan River	Dissolved Oxygen		☐ Yes	☑ No	☐ Yes	☑ No
·			☐ Yes	□ No	☐ Yes	□ No
		[☐ Yes	□ No	☐ Yes	☐ No
	·		Yes	□ No	☐ Yes	□ No
_			☐ Yes	□ No	☐ Yes	□ No
			Yes	□ No	☐ Yes	□No
			☐ Yes	□ No	☐ Yes	□ No
C. What specific sources contrib Landscape Maintenance		are you targeting	g in you	storm wate	r program?	
D. Do you discharge to any high waters, or other state or feder		, Tier 3, outstan	ding nat	ural resourc	e	☑ No
E. Are you implementing addition	-	ensure their cont	inued in	tegrity?	☐ Yes	□ No

3.	Public Education and Public Participation		
	Is your public education program targeting specific pollutants and sources of those polluta If yes, what are the specific sources and/or pollutants addressed by your public education		□ No
	Sediment, floatables (leaves, litter, debris), pet waste, oil, grease, and ve	hicle fluids	
C.	Note specific successful <u>outcome(s)</u> (e.g., quantified reduction in fertilizer use; NOT tasks or partially attributable to your public education program during this reporting period.	s, events, publicat	ions) fully
	More community reporting; less illicit discharges reaching a storm water i	nlet	
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)		
,			
	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
В.	Do you have written procedures for:	[7] 37	□ No
	Reviewing construction plans?	✓ Yes	□ No
	Performing inspections?	✓ Yes	□ No
~	Responding to violations?	✓ Yes	□ No
C.		distuibing greater	TIMI
_	one acre, etc.)? Projects disturbing greater than 1 acre		
D.	Identify the number of active construction sites ≥ 1 acre in operation in your jurisdiction a	it any time during	the
	reporting period. 13		
E.	How many of the sites identified in 4.D did you inspect during this reporting period? 10	0%	
F.	Identify the number of active construction sites < 1 acre in operation in your jurisdiction a	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		
Н.	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 histo	гу	
J.	Identify which of the following types of enforcement actions you used during the reporting activities, indicate the number of actions, or note those for which you do not have authority		truction
	☐ 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 □		
	IZI Ves Other Corrective Action Notice # 23		

K.		e an electronic tool (e.g., G results, and enforcement a) to track the locations, on sites in your jurisdiction?	Yes	□ No
L.	What are t	he 3 most common types o	f violations documented d	luring this reporting period?		
	Offsite t	racking, site exit upke	ep, inadequate street	sweeping		
M.	How often	do municipal employees r	eceive training on the con	struction program? Annually		
5.	Illicit Dis	charge Elimination				
		-	falls and receiving waters	of your storm sewer system?	✓ Yes	□ No
В.		= =	=	onveyances in the storm sewer	☑ Yes	□No
C.	Identify the	e number of outfalls in you	ır storm sewer system. 25	5		
D.	Identify the	e number of Class V inject	ion wells in your jurisdict	ion. <u>10</u>		
E.	Do you hav	ve documented procedures.	including frequency, for	screening outfalls?	✓ Yes	□ No
F.	Of the outf	falls identified in 5.C, how	many were screened for d	ry weather discharges during thi	s reporting	period?
G.	Of the outf	alls identified in 5.C, how	many have been screened	for dry weather discharges at ar	y time since	e you obtained
	MS4 perm	it coverage? all				
H.	What is yo	ur frequency for screening	outfalls for illicit discharg	ges? Describe any variation base	d on size/ty	pe.
	Annually					
I.	Do you have discharges	ve an ordinance or other re	gulatory mechanism that e	effectively prohibits illicit	✓ Yes	□ No
J.	•	ve documented procedures			✓ Yes	□ No
K.		ve an ordinance or other recement action and/or recover		provides authority for you to cit discharges?	✓ Yes	□ No
L.	During this	reporting period, how ma	ny illicit discharges/illega	l connections have you discover	ed? 2	
M.	Of those ill	licit discharges/illegal com	nections that have been dis	scovered or reported, how many	have been e	liminated?
	all					
N.		nich of the following types e number of actions, or not		ou used during the reporting perinot have authority:	od for illici	t discharges,
	☐ 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 Cost recovery		#2		
O.	How often	do municipal employees r	eceive training on the illic	eit discharge program? Annually	y	

Peak discharge rates

Discharge frequency

Flow duration

311	an mos Annual Report Form (cont)		
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? BiAnually, Annually, and during select rain event	S	
D.	List activities for which operating procedures or management practices specific to storm water in developed (e.g., road repairs, catch basin cleaning). See attached list on pg. 7	nanagement	have been
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 a	rea	
G.	How are you disposing of catch basin decant water and solid material?		
	Sealed roll off containers / 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 on an as needed basis		
7	Long torm (Post Construction) Storm Water Measures		
	Long-term (Post-Construction) Storm Water Measures		
Α.	Do you have an ordinance or other regulatory mechanism to require:	C7 Voc	□ No
	Site plan reviews for storm water/water quality of all new and re-development projects? Long-term operation and maintenance of storm water management controls?	✓ Yes ✓ Yes	□ No
	Retrofitting to incorporate long-term storm water management controls?	✓ Yes	□ No
R	If you have retrofit requirements, what are the circumstances/criteria?	V I CS	
D.	Exisiting infrastructure capacitites/failing conditions		
C	What are your criteria for determining which new/re-development storm water plans you will re	view (e.a. s	all projects
C.	projects disturbing greater than one acre, etc.) Projects greater than 1 acre in size	view (c.g., a	in projects
_			 :
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

✓ Yes

Yes

☐ No

☐ No

☐ No

F.	Please pr	rovide the URL/reference where all post-construction storm water management stand	ards can be fo	und,
	https://p	odc.utah.edu/homepage/construction		
G.		ny development and redevelopment project plans were reviewed during the reporting ality and receiving stream protection? 3	period to asse	ess impacts to
Н.	How man	ny of the plans identified in 7.G were approved? 3		
I.	How man	ny privately owned permanent storm water management practices/facilities were insp n/a	ected during t	the reporting
J.	How man	ny of the practices/facilities identified in I were found to have inadequate maintenance	e? n/a	
K.		g do you give operators to remedy any operation and maintenance deficiencies identily no privately owned BMPs within the MS4	fied during in	spections?
L.		have authority to take enforcement action for failure to properly operate and maintain ater practices/facilities?	Yes Yes	□ No
M.		ny formal enforcement actions (i.e., more than a verbal or written warning) were take	n for failure t	o adequately
	operate a	and/or maintain storm water management practices? 0		
N.		se an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction aspections and maintenance?	✓ Yes	□ No
Ο.	Do all m	unicipal departments and/or staff (as relevant) have access to this tracking system?	Yes	□ No
P.	How ofte	en do municipal employees receive training on the post-construction program? Annu	ıally	
3.	Progran	m Resources	ie —	
A.	What was	s the annual expenditure to implement MS4 permit requirements this reporting period	i? <u>616974.</u>	0
В.	What is n	next year's budget for implementing the requirements of your MS4 NPDES permit?	78726.00	
C.	This year derived f	what is/are your source(s) of funding for the storm water program, and annual revention each?	ue (amount o	r percentage)
	Source:	Env. Compliance Coordinator Amount \$ 78,7	26OR %	%
	Source:	Temp/Perminant BMPs costs Amount \$ 153,	105 OR 9	/ ₆
	Source:	Amount \$	OR %	/o
D.		ny FTEs does your municipality devote to the storm water program (specifically for in not municipal employees with other primary responsibilities)? 1	mplementing	the storm water
E.		hare program implementation responsibilities with any other entities?	☐ Yes	☑ No
	Entity	Activity/Task/Responsibility Your Oversight/Account		

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)	g Frequency	Number of Locations
Macro - RB_05.19 / RB_02.68	2019	As data avail. per SLCo	2
		-	

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 macrointertebrate data baseline. 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 (see attached forms for sensor points).

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 operatains & maintenance (SWMP, Appendix B)

Plumbing:

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

Heavy Equipment Dept.:

- -Vechile 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

Speical Events:

-Waste Mangement/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.

√ Yes

Name of Certifying Official, Title Chief Facilities Officer