

# UPDES STORM WATER INSPECTION EVALUATION FORM FOR SWPPP COMPLIANCE



BACKGR	1001	1D II	NFORMATION			
Site Name:				UPDES Permit #:		
Site Address:						
Local Jurisdiction or County:						
Permit Effective Date:		Pe	ermit Expiration Date:			
Total Project Area:			otal Disturbed Area:			
·	nmercia		Industrial	Linear (Road/Pipe/Power) Land D	isturbar	псе
OPERATOR	CON	JTAC	T INFORMATIO			
NAMES			IUMBERS	E-MAIL		
Operator						
Operator:						
Onsite Facility Contact:	-					
Important Contacts:	-					
Important Contacts:						
SWPPP PRE-SITE I					YES	NO
Has a pre-construction review of the SWPPP been conducted by the ap  Associated pages and talanhana numbers listed in the SWPPP3	propria	te mun	iicipal agency?		-	
<ol> <li>Are contact names and telephone numbers listed in the SWPPP?</li> <li>Does the SWPPP include a site map showing storm drains, slopes/surfa</li> </ol>	ace dra	inage i	patterns SW discharge	points construction boundaries, limits of	<del> </del>	
disturbance, surface waters (name of receiving water), structural controls,	and do	es it de	efine/explain non-structu	ural controls?		
<ol> <li>Does the SWPPP have an estimate of the area to be disturbed, a seque description of the soil types, controls for discharges from (asphalt/concrete</li> </ol>					Ţ	
the construction activity?				·		
<ol><li>Does the SWPPP and site map show erosion and sediment controls pla sediment basins, grass-lined channels, fiber rolls, sediment traps, silt fence</li></ol>			` •	· · · · · · · · · · · · · · · · · · ·		
6. Does the SWPPP and site map show and describe good housekepping				·	†	
containment and removal, sanitary waste, concrete washout pits, etc)  7. Are post-construction elements included in the SWPPP? (i.e. grass swa	ales, de	etention	h basins, vegetated filter	r strips, infiltration, depression storage,	+	
landscaping/xeriscaping, discontinuous concrete or hard surface SW conve	eyance			- outpe,	<u> </u>	
Does the SWPPP address endangered species and historic preservation					<u> </u>	
9. Is the SWPPP signed by a responsible corporate officer with the certification of the state of	ation st	atemer	nt (see permit part 5.16.	.c.)?	<u> </u>	
10. Are the NOI and a copy of the State permit in the SWPPP?						
NOTICE OF TERM	MINA	TIO	N (NOT) INSPE	CTION		
Site Name:		Date c	of Evaluation:			
Site Address:						
Inspected By:	_	Title\C	Organization:			
	YES	NO		COMMENTS:		
Has the site been properly stabilized according to permit requirements?						
2. Have all temporary BMPs been removed?		$\sqcap$				
3. Have post-construction (permanent storm water system) elements been		$\Box$				
constructed and inspected in accordance with approved project drawings?						
4. Is the site acceptably clean?						
I certify under penalty of law that this document and all attachments were prepared uproperly gathered and evaluated the information submitted. Based on my inquiry of the information, the information submitted is, to the best of my knowledge and belief true including the possibility of fine and imprisonment for knowing violations.	the perso	son or pe	ersons who manage the sy	stem, or those persons directly responsible for gath	ering the	e
induding the possibility of the and improvement for thorning modulors.						
Inspector:						
(Print Name) (Ti	itle)			(Signature) (I	Date)	
Operator: (Print Name) (Ti	itle)			(Cignoture)	)oto)	
(Print Name) (Ti	itle)			(Signature) (I	Date)	



## ADDITIONAL COMMENTS AND CORRECTIVE ACTIONS FOR SWPPP COMPLIANCE

F	To all		5
1	WERED	COUNT	V
	WEDER	COUNT	_

Site Name:		Date of Evaluation	:	Page	of
Site Address:					
	EPA Form 3560-3 S	EV Codes and	Descriptions		
DOR11	Discharge without a permit	BR19B	Failure to properly opera		P's
DOR18	Failure to apply for a Notice of Termination	BR19A	Failure to properly install		
BOR12 BOC17	Failure to conduct inspections Failure to develop any or adequate SWPPP/SWMP	EOR16 AOR22	Failure to submit require  Narrative effluent violation		
BOC18	Failure to implement SWPPP/SWMP	DOR12	Failure to submit require		n
BOR41	Failure to maintain records	AOR12	Numeric effluent violation	n	
COR11	Failure to monitor	BOR42	Violation of a milestone i	n an order	



### **SWPPP COMPLIANCE INSPECTION FORM**



Project Name:	ct Name: Address: Date:						
Owner:	Contractor (Gen/Sub): Start time:						
Site Contact:	P	hone:		Stop time:			
UPDES Permit #:	Expiration:	Weather: Sunny Cloudy Raining	Snowing Oth	er:			
Date of last rain event:	Duration:	Approx. Rainfall (in):					
Inspected By (Print):		Local Jurisdiction or County:					
Reason for Inspection: Sche	eduled Complaint/Tip Rando	m Receiving Waters:					
Inspection SW sampling Code (circle): SW non-sampling	Inspector Code (circle): (S) State (L) Local	Type Code (circle): 1 - Municipal	2 - Industrial	3 - State			
\$WPP	P, EROSION, SEDIMENT AND HO	USEKEEPING BMP'S INFORMATION	l		YES	NO	N/A
	<u> </u>	vious place and reasonably accessible (in a sh	ort time)?				
<ol> <li>Are erosion control, sediment control, and good housekeeping BMP's installed on the site as shown in the SWPPP?</li> <li>Has the SWPPP been updated to reflect the current site conditions (modifications dated &amp; initialed on site map, new BMPs on site map, discontinued BMPs</li> </ol>				und BMPs			
•	s & spec's in SWPPP, SWPPP amendment L	• •	site map, disconti	ided Divir's			
	rmed and recorded by a qualified person on a ms/repairs, corrective action, new BMPs, ren	a weekly or biweekly basis, reporting items requested RMPs, discharges, etc.)	uired by permit? (	Inspector			
		documented within the time frame allotted by the	ne inspector?				
		diverted around the site? (e.g. perimeter contri	rols, berms, silt fer	nce,			
	gradient boundary sediment control, etc.)	the construction site in downstream locations?	)				
8. Is there evidence of vehicles tracking	<u> </u>	THE CONSTRUCTION SILE IN COMPSHEAM IOCATIONS:					
	<u> </u>	mpervious surfaces (roads, drives) that could be	e washed with SW	to a storm			
drain or water body?	or improve erosion control PMDs (tomporer	y stabilization, erosion blankets, mulch, vegeta	tad etrine rin ran	curface			
roughening, pipe slope drain, dust cor		y stabilization, erosion biankers, muich, vegeta	teu strips, rip rap,	Surface			
• •	, or improve sediment control BMPs (silt fend	e, check dams, fiber rolls, sediment trap/basin,	, inlet protection, w	addles,			
straw bails, curb cut-back, etc?  12. Is there a need to repair, maintain	or improve good housekeeping controls (cle	ean track out pad, sweeping, construction mate	erials managemen	t. litter/trash			
control, port-o-potties staked down, fu	eling areas, concrete wash out area, proper	curb ramps, spill prevention, etc)?		,			
		days without stabilization? (except snow or froz	zen ground)?				
14. Are there places where BMPs are	needed and should be installed or not neede		NAT.				
Identify the problem and its location. If app		JE ACTIONS FOR SWPPP COMPLIA  o be completed. However, only if qualified (e.g., you a		ld you be mand	lating sı	pecific i	BMPs t
		e date when corrections are made.					
Inspector, please list all applicable	SEV codes:						
		direction or supervision in accordance with a system	designed to assure ti	hat qualified pe	rsonnel	prope	rly
		ons who manage the system, or those persons directl that there are significant penalties for submitting fals		-			ormatic
Inspector: (Pri	nt Name)	(Title)	(Signature)		(	(Date)	-
(1	· · · · · · · · · · · · · · · · · · ·	V 7	(=:3::=:0)			)	
Operator:							
modified 8/12/10 (Prin	nt Name)	(Title)	(Signature)		(	(Date)	

(Attach additional sheets of narrative, pictures and checklists, as necessary)



## ADDITIONAL COMMENTS AND CORRECTIVE ACTIONS FOR SWPPP COMPLIANCE



Site Name:		Date of Evaluation:	Page of
Site Address:			
	EPA Form 3560-	3 SEV Codes and D	Descriptions
DOR11	Discharge without a permit	BR19B	Failure to properly operate and maintain BMP's
DOR18	Failure to apply for a Notice of Termination	BR19A	Failure to properly install/implement BMP's
BOR12 BOC17	Failure to conduct inspections Failure to develop any or adequate SWPPP/SWMP	EOR16 AOR22	Failure to submit required report (non-DMR)  Narrative effluent violation
BOC18	Failure to implement SWPPP/SWMP	DOR12	Failure to submit required permit information
BOR41	Failure to maintain records	AOR12	Numeric effluent violation
COR11	Failure to monitor	BOR42	Violation of a milestone in an order

#### WEEKLY VISUAL INSPECTION SOP

PREPARAT	ION	
		Identify "High Priority" facilities  Map of location  Become familiar with potential pollutants at the site
PROCESS		
		Look for evidence of spills at the site If a spill is found assess the general area to identify its source Whenever possible take photographs of the suspected illicit discharge
CLEAN-UP		
		Clean up spill immediately to prevent contact with precipitation or runoff Initiate spill response
DOCUMEN	TAT	ION
		Fill out Weekly High Priority Inspection Log for facility and mark that the weekly inspection has been completed
		If a deficiency was found make note on the Weekly High Priority Inspection Log and fill out the Note Log for that particular facility

#### Weekly High Priority Inspection Log

City Name: Deficiencies found Deficiencies found Deficiencies found Deficiencies found Deficiencies found Deficiencies found Date: Facility Name

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Note: 1) Enter Y or N for deficiencies found. If "Y" type of deficiency and corrective action taken must be documented on the Inspection note log

## High Priority Facilities Weekly Inspection Report Form

Facility Name	Inspection Date	Inspector Name	Deficiency Identified	Corrective Actions Taken

#### QUARTERLY COMPREHENSIVE INSPECTION SOP

PREPARAT	ION	
		Identify "High Priority" facilities  Map of location  Become familiar with potential pollutants at the site
PROCESS		
		Look for evidence of spills at the site
		If a spill is found assess the general area to identify its source
		Whenever possible take photographs of the suspected illicit discharge
		Inspect all waste storage areas and dumpsters
		Inspect for leaks
		have repairs made immediately by responsible party
		Inspect vehicle maintenance and fueling areas
		Look for pollutant generating areas and inspect  Material bandling areas
		Material handling areas
		Pollutant generating areas
CLEAN-UP		
		Clean up spill immediately to prevent contact with precipitation or runoff
		Initiate spill response
DOCUMEN <sup>-</sup>	TAT	ION
		Fill out a quarterly comprehensive inspection sheet for each facility  Document the inspection was complete on the Quarterly Comprehensive Log
		sheet along with the date it was completed

### **Quarterly Comprehensive Inspection Log**

City Name:									
Facility Name	1 st Quarto	Date Complete	2 <sup>nd</sup> Quarto.	Date Complete	3rd Quarto.	Date complete	4 <sup>th</sup> Quarre.	Date Comples	ela.d.
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OTHER J-U-B COMPANIES



## TRAINING SCHEDULE

Training Topic	Who	How Often	Paragraph
-Low impact development	-MS4 Engineers	Not specified	4.2.1.6
-Green infrastructure	-Development and plan review staff,	·	
-Post construction practices	-Land use planners		
-BMP's chose in the swmp	-Others		
IDDE Program	-All field staff	Annually	4.2.3.11
-Identification	-Office personnel		
-Investigation	·		
-Termination			
-Cleanup			
-Reporting			
-How to identify a spill			
-Improper disposal			
-Implementing a construction storm	Staff with following responsibilities:	Not specified	4.2.4.5
water program	-Implementing the construction storm		
-Permitting	water program		
-Plan review	-Permitting		
-Construction site inspections	-Plan review		
-Enforcement	-Construction site inspections		
	-Enforcement		
	-Third party inspectors		
Fundamentals of long-term storm water	All staff involve	Not specified	4.2.5.6
management through the use of	-In post-construction storm water		
structure and non-structural BMPs.	management		
	-Planning and review		
	-Inspections and enforcement		
Decreation and decimal History was ff	All staff	N -+:£:l	4.2.6
Preventing or reducing pollutant runoff	-All staff	Not specified	4.2.6
from all Permittee owned or operated facilities			
Use, storage, and disposal of chemicals	-Those responsible for handling chemicals	Not specified	4.2.6.4.1
-Importance of protecting water quality	All employees who have primary	Not specified	4.2.6.9
-Requirements of SWMP permit	construction, operation, or maintenance job		
-Operation and maintenance	functions that are likely to impact storm		
requirements	water quality		
-inspection procedures,	, ,		
-Ways to perform their job activities to			
prevent or minimize impacts to water			
quality			
-SOP's for the various Permittee-owned			
facilities			
-Procedures for reporting water quality			
concerns; including potential illicit			
discharges			
-Changes in procedures			
Illicit Discharge/Waste Disposal	Employees of owned or operated facilities	Not specified	4.2.1.5
- Equipment inspection			
- Storage of industrial materials			
- Disposal of waste			
- Management of dumpsters			
- Minimizing Salt/De-icing			
- On-site infiltration			
- Maintenance of parking lots			

## Training Log

Date of Training	Description of Training	Signature

### Dry Weather Screening Checklist/SOP

<u>Pre-ins</u>	pection Items
	Map Outfalls
	Develop outfall inspection priority schedule
	Proper equipment
	o Clear sampling jar
	<ul> <li>Map showing location</li> </ul>
	<ul> <li>Visual monitoring report form</li> </ul>
	o Camera
	o GPS unit?
Inspec	<u>tion</u>
	Check for dry weather discharge
	If discharge is present – pull sample
	Follow procedures on visual monitoring form
	Photo document findings
	If there is cause for concern move to inspection follow up procedures
Inspec	cion Follow-Up Procedures
	File any Photos
	Call health department and report findings 801-
	Trace discharge upstream by checking manholes – 1,000 foot intervals
	Find last manhole with any evidence of illicit discharge
	Look at surface improvements in the area to determine possible suspects
	If determination cannot be made from the surface investigations, then TV or smoke test line for
	unknown connections.

## DRY WEATHER SCREENING AND VISUAL STORM WATER DISCHARGE EXAMINATION REPORT

Date of Examination:	_ Permit No. UTR					
Outfall location or ID number:						
Nature of Discharge (i.e., runoff, land drain, irrigation or snowmelt)						
Type of Monitoring:						
Dry Weather Screening  Date of last Rainfall Event:	Wet Weather Screening (Quarterly Min.)					
	☐ Unable to collect sample due to adverse					
	conditions or inadequate runoff.					
<u>Visual Quality of Storm Water Discharge:</u> (circle	response)					
At Time of Sampling:	After One Hour of Settling:					
Color: clear brown green rust other:	Settled Solids: Yes / No					
Odor: Yes / No	Suspended Solids: Yes / No					
Clarity: Solids: Yes / No	Oil Sheen: Yes / No					
Foam: Yes / No						
Other obvious indicators of storm water pollution:						
Probable sources of any observed storm water con	tamination:					
Name of Examiner	Title					
Signature	Date					
Revised: 10-15-2010						

## 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						
Weber County Corporation						
Name of MS4						_
Curtis	Christensen					
Name of Contact Person (First)	(Last)		T)	itle)		
(801) 399-8374	CC	hriste@co.	weber.ut.	us		
Telephone (including area code)	Em	ail				
2380 Washington Blvd., Sui	te 240					
Mailing Address						
Ogden		UT	8	4401_		
City		State	ZI	P code		
What size population does your M	S4 serve? 15,280 (2006)	UPDES no	umber			_
What is the reporting period for the	is report? (mm/dd/yyyy)	From <u>07/</u>	01/2009	to 06	/30/2010	
2. Water Quality Priorities	5					
A. Does your MS4 discharge to	waters listed as impaired on	a state 303(c	d) list?	[	Yes Z N	Vo
B. If yes, identify each impaired the TMDL assigns a wasteloa necessary.						
Impaired Water	Impairment		Approved	d TMDL	TMDL assign	s WLA to MS4
			☐ 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
			☐ Yes	□ No	☐ Yes	□ No
C. What specific sources contrib	uting to the impairment(s)	are you target	ting in your	storm wat	er program?	
D. Do you discharge to any high waters, or other state or feder		, Tier 3, outst	tanding nat	ural resour	ce 🛭 Yes	□No
E. Are you implementing addition	<del>-</del> '	nsure their co	ontinued in	tegrity?	✓ Yes	□No

3.	Public E	ducation and Public	c Participation	1				
				lutants and sources of those pollutants? ddressed by your public education prog	-	□ No		
	•	ediments	•		,			
C.				duction in fertilizer use; NOT tasks, evum during this reporting period.	ents, publicat	ions) fully		
	Pineviev	v cleanup day remove	ed 1 dump truck	load of litter from around Pinev	iew reservo	ir		
D.		ve an advisory committee rs that provides regular in		prised of the public and other water program?	☐ Yes	✓ No		
E.	Do you bel	ong to a storm water coal	ition or other advis	sory committee? If yes, describe:	✓ Yes	☐ No		
	Weber C	ounty Stormwater Co	alition, USWAC					
4.	Construc	etion						
A.	Do you hav	ve an ordinance or other re	egulatory mechanis	sm stipulating:				
	Erosion and	d sediment control require	ements?		✓ Yes	□ No		
	Other cons	truction waste control req	uirements?		Yes	☐ No		
	Requirement to submit construction plans for review?					□ No		
	MS4 enfor	cement authority?			☐ Yes	🛮 No		
В.	•	ve written procedures for:						
	_	construction plans?			☐ Yes	☑ No		
	_	g inspections?			☐ Yes	☑ No		
	•	g to violations?			☐ Yes	☑ No		
C.			=	review (e.g., all projects, projects distr	urbing greater	than		
ъ		tc.)? Projects greater th			1	.1		
D.			iction sites $\geq 1$ acre	e in operation in your jurisdiction at an	y time during	the		
	reporting p	eriod. 5						
E.	How many	of the sites identified in 4	D did you inspect	t during this reporting period? 5	<del></del>			
F.	Identify the period. n/a		ection sites < 1 acre	e in operation in your jurisdiction at an	y time during	the reporting		
G.	How many	of the sites identified in 4	I.F did you inspect	during this reporting period? n/a				
H.	Describe, o	Describe, on average, the frequency with which your program conducts construction site inspections.						
	As-Need	led (Activity on most s	sites was spora	dic and very short term on most	sites)			
I.	Do you pri	oritize certain construction	n sites for more fre	equent inspections?	✓ Yes	□ No		
	If Yes, bas	ed on what criteria? Acti	ve counstructio	n taking place				
J.				ctions you used during the reporting pe for which you do not have authority:	riod for const	ruction		
	☐ Yes	Notice of violation	# <u>0</u>	No Authority □				
	☐ Yes	Administrative fines	# <b>0</b>	No Authority □				
	☐ Yes	Stop Work Orders	# <b>0</b>	No Authority □				
	☐ Yes	Civil penalties	# <b>0</b>	No Authority □				
	□ Yes	Criminal actions	# 0	No Authority □				
	☐ Yes	Administrative orders	# <b>0</b>	No Authority □				
	☐ Yes	Other	" <u></u>	#				
	∟ ால	Outor						

K.				spreadsheet) to track the locations, e construction sites in your jurisdiction?	☐ Yes	☑ No
L.	What are the	he 3 most common types	of violations do	cumented during this reporting period?		
	Silt fenc	e installed improperly,	SWPPP no or	n site or not easily accessible, inlet box	ces not cle	aned
M.	How often	do municipal employees	receive training	on the construction program? Annually		
5	Illicit Dis	scharge Elimination				
			tfalls and receiv	ring waters of your storm sewer system?	✓ Yes	□ No
	-			and other conveyances in the storm sewer	☐ Yes	☑ No
C.	Identify the	e number of outfalls in yo	ur storm sewer	system. 26		
D.	Identify th	e number of Class V injec	tion wells in yo	ur jurisdiction. 11		
E. F.	•		, ,	quency, for screening outfalls? reened for dry weather discharges during thi	☐ Yes is reporting	☑ No period?
G.	Of the out	falls identified in 5.C, how it coverage? 26	many have bee	en screened for dry weather discharges at ar	ny time sinc	e you obtained
Н.	What is yo	our frequency for screening	g outfalls for ill	icit discharges? Describe any variation base	d on size/ty	pe.
I.	Do you had discharges		egulatory mech	anism that effectively prohibits illicit	✓ Yes	□ No
J.	Do you ha	ve documented procedure	s for tracing and	l removing an illegal discharge?	☐ Yes	✓ No
K.				anism that provides authority for you to dressing illicit discharges?	<b>✓</b> Yes	□ No
L.	During this	s reporting period, how m	any illicit disch	arges/illegal connections have you discover	ed? 2	
M.	Of those il	licit discharges/illegal cor	nections that ha	ave been discovered or reported, how many	have been 6	eliminated?
N.				nt actions you used during the reporting periods you do not have authority:	iod for illici	t discharges,
	✓ Yes	Notice of violation	# 2	No Authority □		
	☐ Yes	Administrative fines	#_0	No Authority □		
	☐ Yes	Stop Work Orders	# 0	No Authority □		
	☐ Yes	Civil penalties	#_0	No Authority □		
	☐ Yes	Criminal actions	#_0	No Authority □		
	☐ Yes	Administrative orders	#_0	No Authority □		
	☐ Yes	Other		#		
Ο.	How ofter	do municipal employees	receive training	on the illicit discharge program? annually	٧	

## 6. Storm Water Management for Municipal Operations

A.	Have storm water pollution prevention plans (or an ed	quivalent plan) been deve	eloped for:		
	All public parks, ball fields, other recreational faciliti	es and other open spaces		☐ Yes	✓ No
	All municipal construction activities, including those	disturbing less than 1 ac	re	☐ Yes	<b>☑</b> No
	All municipal turf grass/landscape management activ	ities		☐ Yes	✓ No
	All municipal vehicle fueling, operation and maintena	ance activities		☐ Yes	<b>☑</b> No
	All municipal maintenance yards			Yes	☐ No
	All municipal waste handling and disposal areas			☐ Yes	<b>☑</b> No
	Other				
В.	Are storm water inspections conducted at these facility	ties?		Yes	☐ No
C.	If Yes, at what frequency are inspections conducted?	Quarterly (When it rai	ins)		
D.	List activities for which operating procedures or mandeveloped (e.g., road repairs, catch basin cleaning). catch basin inspections	agement practices specif	ic to storm water r	managemen	t have beer
E.	Do you prioritize certain municipal activities and/or f	acilities for more frequen	nt inspection?	☐ Yes	☑ No
F.	If Yes, which activities and/or facilities receive most	frequent inspections?			
G.	How are you disposing of catch basin decant water an	nd solid material?			
	Evaporation, infiltration, solid waste disposal				
H.	Are municipal vehicles washed into an approved was	tewater disposal system?		Yes	☐ No
I.	Do all municipal employees and contractors overseeing water-related activities receive comprehensive training			<b>∠</b> Yes	☐ No
J.	If yes, do you also provide regular updates and refres	hers?		✓ Yes	☐ No
K.	If so, how frequently and/or under what circumstance	es? Yearly as part of c	onferences		
7.	Long-term (Post-Construction) Storm W	ater Measures			
A.	Do you have an ordinance or other regulatory mechan	nism to require:			
	Site plan reviews for storm water/water quality of all	new and re-development	t projects?	Yes	☐ No
	Long-term operation and maintenance of storm water	management controls?		☐ Yes	🛛 No
	Retrofitting to incorporate long-term storm water man	nagement controls?		☐ Yes	✓ No
В.	If you have retrofit requirements, what are the circum	nstances/criteria?			
C.	What are your criteria for determining which new/re-	development storm wate	r plans you will re	view (e.g.,	all projects
	projects disturbing greater than one acre, etc.) Projects	ects disturbing more the	an 1 acre.		
D.	Do you require water quality or quantity design stand directly or by reference to a state or other standard, b re-development?			✓ Yes	□ No
E.	Do these performance or design standards require that	t pre-development hydro	ology 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.						
	http://www.co.weber.ut.us/wiki/index.php/Municipal_BMPs						
G.	How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 0						
Н.	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? <a href="n/a">n/a</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?  As-Needed						
L.	Do you have authority to take enforcement action for failure to properly operate and maintain Yes V No storm water practices/facilities?						
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? 0						
N.	Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction  Yes  No BMPs, inspections and maintenance?						
O.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?						
Р.	How often do municipal employees receive training on the post-construction program? annually						
3.	Program Resources						
A.	What was the annual expenditure to implement MS4 permit requirements this reporting period? \$20,000						
В.	What is next year's budget for implementing the requirements of your MS4 NPDES permit? not a line item						
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: General Fund Amount \$ \$20,000 OR %						
	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)?						
E.	Do you share program implementation responsibilities with any other entities?						
	Entity Activity/Task/Responsibility Your Oversight/Accountability Mechanism						
	Weber County Training and public outreach We provide material and some outreach programs						

## 9. Evaluating/Measuring Progress

Α.	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
Other agencies e.g. Weber Basin monitoring	,	• •	

В.	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.

not available

#### 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.

Most of the construction sites that had NOIs taken out on them have not been under construction at all, and have been re-vegitated.

### **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.

X Yes

Name of Certifying Official, Title

Date (mm/dd/vvvv)

## 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					
Weber County Corporation	า				
Name of MS4					
Michael	Tuttle				
Name of Contact Person (First)	(Last)	,	(Title)		
(801) 399-8374	<u>m</u>	tuttle@co.weber.ut	.us		
Telephone (including area code)	Em	nail			
2380 Washington Blvd., S	uite 240				
Mailing Address					
Ogden	***	<u>UT</u>	84401_		
City		State	ZIP code		
What size population does your MS4 serve? 14,074 (2010)		UPDES number <u>U</u>	JTR09002	2	_
What is the reporting period for	this report? (mm/dd/vyyy)	From 07/01/2010	o to 06	/30/2011	
2. Water Quality Prioriti	es				
A. Does your MS4 discharge to	o waters listed as impaired or	a state 303(d) list?		Yes ZN	Го
B. If yes, identify each impaire the TMDL assigns a wastel necessary.	ed water, the impairment, who oad allocation to your MS4. I				
Impaired Water	Impairment	Approv	ed TMDL	TMDL assigns	s WLA to MS4
		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
		Yes	☐ No	☐ Yes	☐ No
C. What specific sources contr	ibuting to the impairment(s)	are you targeting in you	ur storm wa	ter program?	
D. Do you discharge to any hig waters, or other state or feder	gh-quality waters (e.g., Tier 2	, Tier 3, outstanding na	atural resour	ce 🛛 Yes	□No
,	tional specific provisions to e	nsure their continued i	ntegrity?	✓ Yes	□ No

	• • •	argeting specific pollutants and sources of those pollutants?  and/or pollutants addressed by your public education program.	<del></del>	□No
	Litter, sediments	1	<b>,</b>	
·	Note specific successful <u>outcome(s)</u> or partially attributable to your pub	(e.g., quantified reduction in fertilizer use; NOT tasks, evolic education program during this reporting period.		
		cleanup day removed 1 dump truck load of litter from around		
).	· · · · · · · · · · · · · · · · · · ·	e or other body comprised of the public and other nput on your storm water program?	☐ Yes	<b>☑</b> No
· •	Do you belong to a storm water coa	alition or other advisory committee? If yes, describe:	✓ Yes	☐ No
	Weber County Stormwater C	coalition, USWAC		
	Construction			
	Do you have an ordinance or other	regulatory mechanism stipulating:		
	Erosion and sediment control require	rements?	Yes	□ No
	Other construction waste control re-	quirements?	Yes	☐ No
	Requirement to submit construction	n plans for review?	Yes	☐ No
	MS4 enforcement authority?		☐ Yes	<b>☑</b> No
	Do you have written procedures for	::		
	Reviewing construction plans?		☐ Yes	✓ No
	Performing inspections?		☐ Yes	✓ No
	Responding to violations?		☐ Yes	☑ No
•		on storm water plan review (e.g., all projects, projects distr	ırbing greater	than
	one acre, etc.)? Projects greater to			
•	Identify the number of active constraints period. 6	ruction sites $\geq 1$ acre in operation in your jurisdiction at an	y time during	the
	How many of the sites identified in	4.D did you inspect during this reporting period? 6		
•	Identify the number of active construer period. N/A	ruction sites < 1 acre in operation in your jurisdiction at an	y time during	the report
	How many of the sites identified in	4.F did you inspect during this reporting period? N/A		
•		with which your program conducts construction site inspe	<del></del>	
			ections	
•				
•	As-Needed (Activity on most	sites was sporadic and very short term on most	sites)	
•	As-Needed (Activity on most  Do you prioritize certain construction	sites was sporadic and very short term on most on sites for more frequent inspections?		No
•	As-Needed (Activity on most  Do you prioritize certain construction	sites was sporadic and very short term on most	sites)	No
•	As-Needed (Activity on most  Do you prioritize certain construction  If Yes, based on what criteria? Act  Identify which of the following type	sites was sporadic and very short term on most on sites for more frequent inspections?	sites) ☑ Yes	
•	As-Needed (Activity on most  Do you prioritize certain construction  If Yes, based on what criteria? Act  Identify which of the following type	sites was sporadic and very short term on most on sites for more frequent inspections? tive counstruction taking place es of enforcement actions you used during the reporting pe	sites) ☑ Yes	
•	As-Needed (Activity on most  Do you prioritize certain construction  If Yes, based on what criteria? Act  Identify which of the following type activities, indicate the number of activities.	sites was sporadic and very short term on most on sites for more frequent inspections? tive counstruction taking place es of enforcement actions you used during the reporting petions, or note those for which you do not have authority:	sites) ☑ Yes	
•	As-Needed (Activity on most  Do you prioritize certain construction  If Yes, based on what criteria? Act  Identify which of the following type activities, indicate the number of act  Yes Notice of violation	sites was sporadic and very short term on most on sites for more frequent inspections? tive counstruction taking place es of enforcement actions you used during the reporting pections, or note those for which you do not have authority:  # 0	sites) ☑ Yes	
•	As-Needed (Activity on most  Do you prioritize certain construction  If Yes, based on what criteria? Act  Identify which of the following type activities, indicate the number of act  Yes Notice of violation  Yes Administrative fines  Yes Stop Work Orders	sites was sporadic and very short term on most on sites for more frequent inspections?  tive counstruction taking place  es of enforcement actions you used during the reporting pertions, or note those for which you do not have authority:  # 0	sites) ☑ Yes	
•	As-Needed (Activity on most  Do you prioritize certain construction  If Yes, based on what criteria? Act  Identify which of the following type activities, indicate the number of act  Yes Notice of violation  Yes Administrative fines  Yes Stop Work Orders  Yes Civil penalties	sites was sporadic and very short term on most on sites for more frequent inspections?  tive counstruction taking place  es of enforcement actions you used during the reporting pertions, or note those for which you do not have authority:  # 0	sites) ☑ Yes	
	As-Needed (Activity on most  Do you prioritize certain construction  If Yes, based on what criteria? Act  Identify which of the following type activities, indicate the number of act  Yes Notice of violation  Yes Administrative fines  Yes Stop Work Orders	sites was sporadic and very short term on most on sites for more frequent inspections?  tive counstruction taking place es of enforcement actions you used during the reporting pertions, or note those for which you do not have authority:  # 0	sites) ☑ Yes	

K.				ase, spreadsheet) to track the locations, active construction sites in your jurisdiction?	<b>✓</b> Yes	☐ No
L.	-	•		as documented during this reporting period?		
		• •		es not cleaned, SWPPP no on site or not ea	asily acces	sible
M.	How often	n do municipal employees	receive tra	ining on the construction program? Annually		
5.	Illicit Dis	scharge Eliminatior	l			
		•		receiving waters of your storm sewer system?	<b></b> ✓ Yes	□No
	-	• •		ipes and other conveyances in the storm sewer	☐ Yes	_ ✓ No
C.	Identify th	ne number of outfalls in yo	our storm se	ewer system. 26		
D.	Identify th	ne number of Class V injec	ction wells	in your jurisdiction. 11		
E.	Do you ha	ave documented procedure	s, includin	g frequency, for screening outfalls?	☐ Yes	✓ No
F.	Of the out	tfalls identified in 5.C, hov	v many we	re screened for dry weather discharges during the	is reporting	period?
G.	Of the out	tfalls identified in 5.C, how	v many hav	ve been screened for dry weather discharges at an	ny time sinc	e you obtaine
	MS4 pern	nit coverage? 26				
H.	-	• •	_	or illicit discharges? Describe any variation base though but did visit them in both 2010 and 2	•	pe.
I.	Do you ha		egulatory 1	nechanism that effectively prohibits illicit	✓ Yes	□ No
J.	Do you ha	ave documented procedure	s for tracin	g and removing an illegal discharge?	☐ Yes	<b>☑</b> No
K.	•		_	nechanism that provides authority for you to or addressing illicit discharges?	Yes	□ No
L.	During th	is reporting period, how m	any illicit o	discharges/illegal connections have you discover	ed? 0	
M.	Of those i	llicit discharges/illegal co	nnections tl	nat have been discovered or reported, how many	have been	eliminated?
N.				ement actions you used during the reporting per or which you do not have authority:	iod for illici	t discharges,
	☐ Yes	Notice of violation	#_0	No Authority □		
	☐ Yes	Administrative fines	#_0	No Authority $\square$		
	☐ Yes	Stop Work Orders	#_0	No Authority $\square$		
	☐ Yes	Civil penalties	#_0	No Authority □		
	☐ Yes	Criminal actions	# 0	No Authority □		
	☐ Yes	Administrative orders	# 0	No Authority $\square$		
	☐ Yes	Other		#		
Ο.	How often	n do municipal emplovees	receive tra	ining on the illicit discharge program? annually	V	

### 6. Storm Water Management for Municipal Operations

All public parks, ball fields, other recreational facilities and other open spaces All municipal construction activities, including those disturbing less than I acre All municipal turf grass/landscape management activities All municipal urbicular grass/landscape management activities All municipal wehicle fueling, operation and maintenance activities All municipal waste handling and disposal areas Other  B. Are storm water inspections conducted at these facilities? C. If Yes, at what frequency are inspections conducted? Quarterly (When it rains)  D. List activities for which operating procedures or management practices specific to storm water management developed (e.g., road repairs, catch basin cleaning). Catch basin inspections  Do you prioritize certain municipal activities and/or facilities for more frequent inspection?  E. How are you disposing of catch basin decant water and solid material?  Evaporation, infiltration, solid waste disposal  H. Are municipal vehicles washed into an approved wastewater disposal system?  L. Ves Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management?  J. If yes, do you also provide regular updates and refreshers?  J. If yes, do you also provide regular updates and refreshers?  L. 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?  L. 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?  L. One term operation and maintenance of storm water management controls?  Pes Retrofitting to incorporate long-term storm water management controls?  Do you require water quality or quantity design standards or performance standards, either directly or by reference	A.	Have storm water pollution prevention plans (or an equivalent	nt plan) been deve	loped for:		
All municipal turf grass/landscape management activities		All public parks, ball fields, other recreational facilities and	other open spaces		☐ Yes	<b>☑</b> No
All municipal vehicle fueling, operation and maintenance activities		All municipal construction activities, including those disturb	oing less than 1 acr	e	☐ Yes	✓ No
All municipal maintenance yards All municipal waste handling and disposal areas Other  8. Are storm water inspections conducted at these facilities?		All municipal turf grass/landscape management activities			☐ Yes	<b>✓</b> No
All municipal waste handling and disposal areas		All municipal vehicle fueling, operation and maintenance ac	tivities		☐ Yes	✓ No
Other  B. Are storm water inspections conducted at these facilities?		•			Yes	☐ No
B. Are storm water inspections conducted at these facilities?		All municipal waste handling and disposal areas			☐ Yes	✓ No
C. If Yes, at what frequency are inspections conducted? Quarterly (When it rains)  D. List activities for which operating procedures or management practices specific to storm water management developed (e.g., road repairs, catch basin cleaning). catch basin inspections  E. Do you prioritize certain municipal activities and/or facilities for more frequent inspection?		Other				
D. List activities for which operating procedures or management practices specific to storm water management developed (e.g., road repairs, catch basin cleaning).  catch basin inspections  E. Do you prioritize certain municipal activities and/or facilities for more frequent inspection?	B.	Are storm water inspections conducted at these facilities?			✓ Yes	☐ No
developed (e.g., road repairs, catch basin cleaning). catch basin inspections  E. Do you prioritize certain municipal activities and/or facilities for more frequent inspection?	C.	If Yes, at what frequency are inspections conducted? Quart	terly (When it rair	ns)	_	
E. Do you prioritize certain municipal activities and/or facilities for more frequent inspection?	D.	developed (e.g., road repairs, catch basin cleaning).	nt practices specific	e to storm water r	nanagemen	t have beer
Evaporation, infiltration, solid waste disposal  H. Are municipal vehicles washed into an approved wastewater disposal system?  Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management?  If yes, do you also provide regular updates and refreshers?  If so, how frequently and/or under what circumstances? Yearly as part of conferences  F. 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 Retrofitting to incorporate long-term storm water management controls? Yes Retrofitting to incorporate long-term storm water management controls? Yes If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.)  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?  E. Do these performance or design standards require that pre-development hydrology be met for:  Flow volumes  Peak discharge rates  Discharge frequency  No	Е.		s for more frequen	t inspection?	✓ Yes	 □ No
Evaporation, infiltration, solid waste disposal  H. Are municipal vehicles washed into an approved wastewater disposal system?  L. Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management?  J. If yes, do you also provide regular updates and refreshers?  K. If so, how frequently and/or under what circumstances?  Yearly as part of conferences  Yearly as part of conferences  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? Long-term operation and maintenance of storm water management controls?  Retrofitting to incorporate long-term storm water management controls?  B. If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.)  Projects disturbing more than 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?  E. Do these performance or design standards require that pre-development hydrology be met for:  Flow volumes  Peak discharge rates  Peak discharge frequency  No  Peak discharge frequency	F.	If Yes, which activities and/or facilities receive most frequer	nt inspections? Ro	ads shop, Cour	nty Fairgro	unds
H. Are municipal vehicles washed into an approved wastewater disposal system?  Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management?  If yes, do you also provide regular updates and refreshers?  Lif yes, do you also provide regular updates and refreshers?  Yearly as part of conferences  Long-term (Post-Construction) Storm Water Measures  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?  Long-term operation and maintenance of storm water management controls?  Retrofitting to incorporate long-term storm water management controls?  If you have retrofit requirements, what are the circumstances/criteria?  What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.)  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?  E. Do these performance or design standards require that pre-development hydrology be met for:  Flow volumes  Peak discharge rates  Peak discharge rates  Peak lischarge frequency  Pes No  Peak discharge frequency	G.	How are you disposing of catch basin decant water and solid	l material?			
Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management?  If yes, do you also provide regular updates and refreshers?  X. If so, how frequently and/or under what circumstances? Yearly as part of conferences  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  Long-term operation and maintenance of storm water management controls? Yes  Retrofitting to incorporate long-term storm water management controls? Yes  If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.) Projects disturbing more than 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?  E. Do these performance or design standards require that pre-development hydrology be met for: Flow volumes Peak discharge rates Yes No Discharge frequency Yes No		Evaporation, infiltration, solid waste disposal				
water-related activities receive comprehensive training on storm water management?  If yes, do you also provide regular updates and refreshers?  Yearly as part of conferences  Yearly as part of conferences  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?  Long-term operation and maintenance of storm water management controls?  Retrofitting to incorporate long-term storm water management controls?  B. If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.)  Projects disturbing more than 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?  E. Do these performance or design standards require that pre-development hydrology be met for: Flow volumes Peak discharge rates Peak discharge rates Peak discharge frequency  Yes No	Н.	Are municipal vehicles washed into an approved wastewater	disposal system?		<b>✓</b> Yes	☐ No
K. If so, how frequently and/or under what circumstances? Yearly as part of conferences  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  Long-term operation and maintenance of storm water management controls?  Yes  Retrofitting to incorporate long-term storm water management controls?  Yes  B. If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.) Projects disturbing more than 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?  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	[.				✓ Yes	☐ No
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?	J.	If yes, do you also provide regular updates and refreshers?			✓ Yes	☐ No
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?	K.	If so, how frequently and/or under what circumstances? Ye	early as part of co	onferences		
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?	7	Long-term (Post-Construction) Storm Water N	Moseuroe			
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?  Retrofitting to incorporate long-term storm water management controls?  B. If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.)  Projects disturbing more than 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?  E. Do these performance or design standards require that pre-development hydrology be met for:  Flow volumes  Projects disturbing more than 1 acre.  Yes  No  Yes  No  Peak discharge rates  Yes  No  Discharge frequency  Yes  No						
Long-term operation and maintenance of storm water management controls?  Retrofitting to incorporate long-term storm water management controls?  B. If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.) Projects disturbing more than 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?  E. Do these performance or design standards require that pre-development hydrology be met for:  Flow volumes  Peak discharge rates  Yes  No  Discharge frequency  Yes  No	1.	•	•	projects?	□ Ves	□ No
Retrofitting to incorporate long-term storm water management controls?  If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.) Projects disturbing more than 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?  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		•	•	projects.		☑ No
B. If you have retrofit requirements, what are the circumstances/criteria?  C. What are your criteria for determining which new/re-development storm water plans you will review (e.g., projects disturbing greater than one acre, etc.) Projects disturbing more than 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?  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		-			<del></del>	☑ No
projects disturbing greater than one acre, etc.) Projects disturbing more than 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?  E. Do these performance or design standards require that pre-development hydrology be met for:  Flow volumes	В.					B=1 1.0
projects disturbing greater than one acre, etc.) Projects disturbing more than 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?  E. Do these performance or design standards require that pre-development hydrology be met for:  Flow volumes						
directly or by reference to a state or other standard, be met for new development and re-development?  E. Do these performance or design standards require that pre-development hydrology be met for:  Flow volumes  Peak discharge rates  Discharge frequency  Yes  No  No	C.	<del>-</del>	•	•	view (e.g.,	all projects
Flow volumes	D.	directly or by reference to a state or other standard, be met for	*		<b>✓</b> Yes	□ No
Peak discharge rates	Ε.	Do these performance or design standards require that pre-de	evelopment hydrol	ogy be met for:		
Discharge frequency		Flow volumes	☐ Yes	✓ No		
		Peak discharge rates	✓ Yes	□ No		
Flow duration Yes Z No			☐ Yes			
		Flow duration	☐ Yes	✓ No		

F.	Please provide the URL/reference where all post-construction storm water management standards can be found.					
	http://www.co.weber.ut.us/mediawiki/index.php/Municipal_BMPs					
G.	How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 0					
Н.	How many of the plans identified in 7.G were approved? N/A					
[.	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?  As-Needed					
L.	Do you have authority to take enforcement action for failure to properly operate and maintain Yes INO storm water practices/facilities?					
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? 0					
N.	Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction Yes No BMPs, inspections and maintenance?					
Ο.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?					
<b>.</b>	How often do municipal employees receive training on the post-construction program? annually					
3.	Program Resources					
A.	What was the annual expenditure to implement MS4 permit requirements this reporting period? \$20,000					
В.	What is next year's budget for implementing the requirements of your MS4 NPDES permit? not a line item					
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: General Fund Amount \$ \$20,000 OR %					
	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)? 0					
Ε.	Do you share program implementation responsibilities with any other entities?   ✓ Yes ☐ No					
	Entity Activity/Task/Responsibility Your Oversight/Accountability Mechanism					
	Weber County Training and public outreach We provide material and some outreach programs					

## 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
Other agencies e.g. Weber Basin monitoring	,		

В.	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.

not available

#### 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.

4E There were other sites that had NOIs that were inspected during this time. Most of the construction sites that had NOIs taken out on them have not been under construction at all, and have been re-vegitated. We didn't really have many new sites start up, other than single lot subdivisions.

5F The outfalls where not inspected, because the reporting window was missed. The outfalls were inspected a month or so before the reporting period started, and again a couple months after it ended. We need to set up a scheduled time to go and do the inspections.

### **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.

DIRKETOR OF OPERATIONS

Name of Certifying Official, Title

## 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.

Name of MS4					
Jared	Andersen		County E	ngineer	
Name of Contact Person (Firs	t) (Last)		(Title)		
(801) 399-8374	jar	ndersen@co.webe	er.ut.us		
Telephone (including area cod	de) Em	ail			
2380 Washington Blvd.,	Suite 240				
Mailing Address					
Ogden		<u>UT</u>	84401		
City		State	ZIP code		
What size population does you	ur MS4 serve? 14,074 (2010)	UPDES number	UTR09002	22	_
What is the reporting period for	or this report? (mm/dd/vvvv)	From 07/01/201	1 to 06	3/30/2012	
0 10/ ( 0 11/ 5 1	••				
2. Water Quality Prior	ities				
A. Does your MS4 discharge	e to waters listed as impaired on	a state 303(d) list?		☐ Yes     ☑ N	O
	ired water, the impairment, who teload allocation to your MS4. I				
Impaired Water	Impairment	Appro	ved TMDL	TMDL assigns	WLA to MS4
		Yes	s 🗌 No	☐ Yes	□ No
		Yes	s 🗌 No	☐ Yes	□ No
	_	Yes	s 🗌 No	☐ Yes	☐ No
		☐ Yes	s 🗌 No	☐ Yes	☐ No
		Yes	s 🗌 No	☐ Yes	☐ No
		Yes	s 🗌 No	☐ Yes	☐ No
		Yes	s 🗌 No	☐ Yes	☐ No
		Yes	s 🗌 No	☐ Yes	☐ No
C. What specific sources con	ntributing to the impairment(s) a	are you targeting in yo	our storm wa	ter program?	
D. Do you discharge to any waters, or other state or f	high-quality waters (e.g., Tier 2	, Tier 3, outstanding r	natural resour	rce 🛭 Yes	□ No
	ederal designation)? Iditional specific provisions to e	nsure their continued	integrity?	<b></b> Yes	□ No

☐ Yes

	·			ollutants and sources of those pollutar		☐ No
j.	•	sources ar	id/or pollutants	addressed by your public education p	rogram?	
	Litter, sediments					
•				reduction in fertilizer use; NOT tasks, gram during this reporting period.	events, publicat	ions) full
	Historically we have had a F	Pineview cle	anup day remo	ved 1 dump truck load of litter from arou	nd Pineview rese	rvoir.
	Do you have an advisory costakeholders that provides r		•	omprised of the public and other n water program?	☐ Yes	<b>☑</b> No
	Do you belong to a storm w	ater coaliti	on or other adv	visory committee? If yes, describe:	✓ Yes	☐ No
	Weber County Storm \	Water Co	alition, USW	/AC		
	Construction					
		athan maa	ulatami maaba	nism stimulating.		
	Do you have an ordinance of Erosion and sediment contri	_	-	nism supulating:		□ No
	Other construction waste co	-			✓ Yes	
	Requirement to submit cons	-		?	✓ Yes	□ No
	MS4 enforcement authority	_			☐ Yes	☑ No
	Do you have written proceed	lures for:				
	Reviewing construction pla	ns?			☐ Yes	☑ No
	Performing inspections?				☐ Yes	<b>☑</b> No
	Responding to violations?				☐ Yes	<b>☑</b> No
			_	an review (e.g., all projects, projects d art of a common plan of developme		than
	Identify the number of active reporting period. 10	/e construc 	tion sites ≥ 1 a	cre in operation in your jurisdiction at	any time during	the
		1 . 4 .	Aid you inan			
	How many of the sites iden	titied in 4.J	z ata you mspa	ect during this reporting period? 10		
	•		-	cre in operation in your jurisdiction at	any time during	the repor
	Identify the number of active period. n/a	e construc	tion sites < 1 a	cre in operation in your jurisdiction at	any time during	the repor
	Identify the number of active period. n/a  How many of the sites identified the sites identif	e construc	tion sites < 1 a	cre in operation in your jurisdiction at ect during this reporting period? n/a		the repor
	Identify the number of active period. n/a  How many of the sites identified the sites identif	ve constructified in 4.1	tion sites < 1 a  did you inspetith which your	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in		the repor
	Identify the number of active period. n/a  How many of the sites identified the period of the sites identified the sites identified the period of the sites identified the sites identified the period of the sites identified the sites identif	ve construc tified in 4.1 requency w every sit	tion sites < 1 a  F did you inspetith which your se once a mo	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in onth.		the repor
	Identify the number of active period. n/a  How many of the sites identification. Describe, on average, the from the weare trying to get to the polynomial polynomial. Do you prioritize certain control of the period of the perio	tified in 4.1 requency we every site	tion sites < 1 a  did you inspetith which your e once a most	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in onth.	nspections.	
	Identify the number of active period. n/a  How many of the sites identify the period of the sites identify. The period of the sites identify to get to the period of the sites identify the sites identification ide	tified in 4.1 requency we every site on struction ria? active wing types of	F did you inspetith which your see once a mostites for more see construction of enforcement	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in onth.  frequent inspections?  on sites  actions you used during the reporting	nspections.  Yes  period for const	   <u> </u> No
	Identify the number of active period. n/a  How many of the sites identify the are trying to get to Do you prioritize certain co. If Yes, based on what criter Identify which of the follow activities, indicate the number of activities.	tified in 4.1 requency we every site every site extraction ria? active ever of action	F did you inspetith which your see once a mostites for more see construction of enforcement	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in onth.  frequent inspections?  on sites  actions you used during the reporting se for which you do not have authority	nspections.  Yes  period for const	   <u> </u> No
	Identify the number of active period. n/a  How many of the sites identify the period of the sites identify. The period of the sites identify to get to the period of the follow activities, indicate the number of activities. Notice of violes.	tified in 4.1 requency we every site every site extraction ria? active ever of action ation	did you inspetith which your see once a mostruction of enforcement as, or note thou	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in onth.  frequent inspections?  on sites  actions you used during the reporting se for which you do not have authority  No Authority	nspections.  Yes  period for const	   <u> </u> No
	Identify the number of active period. n/a  How many of the sites identify the period of the sites identify. The period of the sites identify to get to the period of the follow activities, indicate the number of the follow activities, indicate the number of the follow activities, indicate the number of activities. Indicate the number of activities of the sites identification of the follow activities, indicate the number of activities of the sites identification of the sites identif	tified in 4.1 requency we every site on truction ria? active on action ation e fines	fidid you inspect the which your see once a most expectation of enforcement ons, or note those # 0 # 0	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in onth.  frequent inspections?  actions you used during the reporting se for which you do not have authority No Authority \( \square \)  No Authority \( \square \)	nspections.  Yes  period for const	   <u> </u> No
	Identify the number of active period. n/a  How many of the sites identify the are trying to get to Do you prioritize certain cool of Yes, based on what criter Identify which of the follow activities, indicate the number of Yes  Yes  Administrative Stop Work Or	tified in 4.1 requency we every site of active or of action ation refines reders	F did you inspetith which your see once a most econstruction of enforcement ons, or note thought by the following the construction of the following the foll	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in onth.  frequent inspections?  on sites  actions you used during the reporting se for which you do not have authority No Authority No Authority No Authority No Authority	nspections.  Yes  period for const	   <u> </u> No
	Identify the number of active period. n/a  How many of the sites identify the period of the sites identify. The period of the sites identify to get to the period of the follow activities, indicate the number of the follow activities, indicate the number of the follow activities, indicate the number of activities. Indicate the number of activities of the sites identification of the follow activities, indicate the number of activities of the sites identification of the sites identif	tified in 4.1 requency we every site on truction ria? active or action ation e fines rders	fidid you inspect the which your see once a most expectation of enforcement ons, or note those # 0 # 0	cre in operation in your jurisdiction at ect during this reporting period? n/a program conducts construction site in onth.  frequent inspections?  actions you used during the reporting se for which you do not have authority No Authority \( \square \)  No Authority \( \square \)	nspections.  Yes  period for const	   <u> </u> No

K.				se, spreadsheet) to track the locations, ctive construction sites in your jurisdiction?	✓ Yes	□ No
L.	What are	the 3 most common types	of violations	s documented during this reporting period?		
	SWPPP	not updated on site, W	eekly inspe	ctions not being performed, silt fence not p	roperly ins	talled
M.	How ofter	n do municipal employees	receive train	ning on the construction program? annually		
5.	Illicit Dis	scharge Elimination	1			
A.	Have you	completed a map of all ou	tfalls and re	ceiving waters of your storm sewer system?	✓ Yes	□No
В.	Have you system?	completed a map of all sto	orm drain pi	pes and other conveyances in the storm sewer	☐ Yes	<b>☑</b> No
C.	Identify th	ne number of outfalls in yo	our storm sev	wer system. 26		
D.	Identify th	ne number of Class V injec	ction wells in	n your jurisdiction. 11		
E.	Do you ha	we documented procedure	s, including	frequency, for screening outfalls?	☐ Yes	☑ No
F.	Of the out 26	falls identified in 5.C, hov	v many were	e screened for dry weather discharges during the	is reporting	period?
G.		falls identified in 5.C, hov nit coverage? 26	v many have	been screened for dry weather discharges at an	ny time sinc	e you obtained
Н.	What is you	our frequency for screening	g outfalls fo	r illicit discharges? Describe any variation base	ed on size/ty	rpe.
I.	Do you ha		egulatory m	echanism that effectively prohibits illicit	✓ Yes	□No
J.	Do you ha	we documented procedure	s for tracing	and removing an illegal discharge?	☐ Yes	<b>☑</b> No
K.	•		-	echanism that provides authority for you to addressing illicit discharges?	✓ Yes	□ No
L.	During thi	s reporting period, how m	any illicit di	scharges/illegal connections have you discover	ed? 0	
M.	Of those is 0	llicit discharges/illegal cor	nnections tha	at have been discovered or reported, how many	have been	eliminated?
N.				ment actions you used during the reporting per which you do not have authority:	iod for illici	t discharges,
	☐ Yes	Notice of violation	#_0	No Authority □		
	☐ Yes	Administrative fines	# 0	No Authority □		
	☐ Yes	Stop Work Orders	#_0	No Authority □		
	☐ Yes	Civil penalties	# <u></u> 0	No Authority □		
	☐ Yes	Criminal actions	#_0	No Authority □		
	☐ Yes	Administrative orders	# 0	No Authority □		
	☐ Yes	Other		#		
$\cap$	How offer	a do municipal amployees	racaiva troi	aing on the illicit discharge program? annuall	v at confer	ences

6. S	Storm	Water	Management	for	Municip	oal (	Operations
------	-------	-------	------------	-----	---------	-------	------------

A.	Have storm water pollution prevention plans (or an equ	uivalent plan) beer	n deve	loped for:		
	All public parks, ball fields, other recreational facilities	s and other open s	paces		☐ Yes	<b>☑</b> No
	All municipal construction activities, including those d	isturbing less thar	n 1 acr	e	☐ Yes	<b>☑</b> No
	All municipal turf grass/landscape management activit	ies			☐ Yes	✓ No
	All municipal vehicle fueling, operation and maintenar	nce activities			☐ Yes	<b>☑</b> No
	All municipal maintenance yards				✓ Yes	☐ No
	All municipal waste handling and disposal areas				☐ Yes	✓ No
	Other					
В.	Are storm water inspections conducted at these facilities	es?			<b>✓</b> Yes	☐ No
C.	If Yes, at what frequency are inspections conducted?	once quarterly (v	when	it rains)	_	
D.	List activities for which operating procedures or managed developed (e.g., road repairs, catch basin cleaning). catch basin inspections	gement practices s	pecifi	c to storm water n	nanagemen	t have been
E.	Do you prioritize certain municipal activities and/or fac	cilities for more fr	requen	t inspection?	✓ Yes	□ No
F.	If Yes, which activities and/or facilities receive most fr	equent inspection	s? ro	ad shops, fairgro	ounds	
G.	How are you disposing of catch basin decant water and	l solid material?				
	evaporation, infiltration, solid waste disposal					
H.	Are municipal vehicles washed into an approved waste	water disposal sys	stem?		<b>✓</b> Yes	☐ No
I.	Do all municipal employees and contractors overseeing water-related activities receive comprehensive training				✓ Yes	□ No
J.	If yes, do you also provide regular updates and refreshed	ers?			Yes	☐ No
K.	If so, how frequently and/or under what circumstances	? Yearly as par	t of co	onferences		
~~;		. 0.5				
	Long-term (Post-Construction) Storm Wa		;			
A.	Do you have an ordinance or other regulatory mechanis	-		:4-0		— » r
	Site plan reviews for storm water/water quality of all n	•		projects?	✓ Yes	□ No
	Long-term operation and maintenance of storm water n	ŭ			☐ Yes	☑ No
R	Retrofitting to incorporate long-term storm water mana If you have retrofit requirements, what are the circums	-			☐ Yes	✓ No
υ.	11 you have retroit requirements, what are the encums	tanecs/critcha:				
C.	What are your criteria for determining which new/re-doprojects disturbing greater than one acre, etc.) project	-		plans you will re	view (e.g.,	all projects,
D.	Do you require water quality or quantity design standard directly or by reference to a state or other standard, be re-development?	rds or performanc	e stan		<b></b> ✓ Yes	 □ No
E.	Do these performance or design standards require that	pre-development l	hydrol	logy be met for:		
	Flow volumes	□ Y	Zes .	✓ No		
	Peak discharge rates	<b>☑</b> Y	es	□ No		
	Discharge frequency	□ Y	es	✓ No		
	Flow duration	□ Y	Zes .	✓ No		

F.	Please provide the URL/reference where all post-construction storm water management standards can be found.						
	http://www.co.weber.ut.us/mediawiki/index.php/Municipal_BMPs						
G.	How many development and redevelopment project plans were reviewed during the reportir water quality and receiving stream protection? 27	ng period to ass	ess impacts to				
Н.	How many of the plans identified in 7.G were approved? 7						
I.	How many privately owned permanent storm water management practices/facilities were in period? 0	spected during	the reporting				
J.	How many of the practices/facilities identified in I were found to have inadequate maintenant	nce? N/A					
K.	How long do you give operators to remedy any operation and maintenance deficiencies iden As-Needed	ntified during ir	nspections?				
L.	Do you have authority to take enforcement action for failure to properly operate and mainta storm water practices/facilities?	in	<b>☑</b> No				
M.	How many formal enforcement actions (i.e., more than a verbal or written warning) were tall	ken for failure	to adequately				
	operate and/or maintain storm water management practices? 0						
N.	Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction	☐ Yes	✓ No				
	BMPs, inspections and maintenance?						
	Do all municipal departments and/or staff (as relevant) have access to this tracking system?	☐ Yes	<b>☑</b> No				
O.			<b>⊘</b> No				
0. P.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?		<b>⊘</b> No				
O. P.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? and	nually					
O. P. A.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? and  Program Resources  What was the annual expenditure to implement MS4 permit requirements this reporting periods.	nually iod? \$20,000	)				
O. P. A. B.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? and  Program Resources  What was the annual expenditure to implement MS4 permit requirements this reporting periods what is next year's budget for implementing the requirements of your MS4 NPDES permit.	nually iod? \$20,000 not a line i	) tem				
O. P. A. B.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? and  Program Resources  What was the annual expenditure to implement MS4 permit requirements this reporting period what is next year's budget for implementing the requirements of your MS4 NPDES permit. This year what is/are your source(s) of funding for the storm water program, and annual reviderived from each?	nually iod? \$20,000 not a line i	tem or percentage)				
O. P. A. B.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? and  Program Resources  What was the annual expenditure to implement MS4 permit requirements this reporting period what is next year's budget for implementing the requirements of your MS4 NPDES permit. This year what is/are your source(s) of funding for the storm water program, and annual reviderived from each?  Source: General Fund  Amount \$ 20.	nually  iod? \$20,000  not a line i enue (amount o	tem_ or percentage)				
O. P. <b>3.</b> A.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? and  Program Resources  What was the annual expenditure to implement MS4 permit requirements this reporting period what is next year's budget for implementing the requirements of your MS4 NPDES permit. This year what is/are your source(s) of funding for the storm water program, and annual reviderived from each?  Source: General Fund Amount \$ 20 course.  Amount \$ 20 course.	nually  iod? \$20,000  not a line if enue (amount of	) tem or percentage) %				
O. P. A. B. C.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? and  Program Resources  What was the annual expenditure to implement MS4 permit requirements this reporting period what is next year's budget for implementing the requirements of your MS4 NPDES permit. This year what is/are your source(s) of funding for the storm water program, and annual reviderived from each?  Source: General Fund Amount \$ 20 course.  Amount \$ 20 course.	nually  iod? \$20,000  not a line if enue (amount of 0,000 OR OR OR	tem				
O. P. A. B. C.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? and Program Resources  What was the annual expenditure to implement MS4 permit requirements this reporting period What is next year's budget for implementing the requirements of your MS4 NPDES permit? This year what is/are your source(s) of funding for the storm water program, and annual reviderived from each?  Source: General Fund Amount \$ 20 course.  Source: Amount \$ 20 course.  How many FTEs does your municipality devote to the storm water program (specifically for	nually  iod? \$20,000  not a line if enue (amount of 0,000 OR OR OR	tem				
O. P. A. B. C.	Do all municipal departments and/or staff (as relevant) have access to this tracking system?  How often do municipal employees receive training on the post-construction program? _and	nually  iod? \$20,000  not a line if the enue (amount of the order)  O,000 OR OR OR Trimplementing	tem				

#### 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
Other agencies e.g. Weber Basin monitoring	,		

В.	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.

not available

#### 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.

4G We try to get out every month to sites with NOIs. Some sites still have NOIs that are active, but there is no active construction going on. Sometimes we miss a month, or go 6 weeks before an inspection.

7G This was more a count of subdivisions that were submitted during the reporting period. During the review process the requirements of having a SWPPP was discussed. We didn't really dig into assessing the impacts on the water quality, but focused more on being able to mitigate additional impacts to the that would be caused by the construction that would be happening. Many of the sites were simple one lot subdivisions, and may not have been required to get an NOI through the state though. Some of them were amendments to existing subdivisions, which may have just been re-aligning the lot lines.

7H There were atleast 7 of them that have been approved. I'm not sure if they were all approved during the reporting period though. There are others that are still trying to go through the approval process.

#### **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 Yes

Name of Certifying Official, Title

Date (mm/dd/yyyy)

## 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

Weber County Corporation					
Name of MS4					
Jared Andersen			County Eng	gineer	
Name of Contact Person (First)	(Last)		(Title)		
(801) 399-8374	ja	jandersen@co.weber.ut.us			
Telephone (including area code)	Em	ail			
2380 Washington Blvd., Su	iite 240				
Mailing Address					
Ogden		UT	84401		
City		State	ZIP code		
What size population does your N	MS4 serve? 14,074 (2010)	UPDES number \	JTR090022		
What is the reporting period for the	his report? (mm/dd/yyyy)	From 07/01/2012	2 to 06/3	30/2013	_
2. Water Quality Prioritie	es				
A. Does your MS4 discharge to	waters listed as impaired or	a state 303(d) list?		Yes 🔽 N	o
B. If yes, identify each impaired the TMDL assigns a wastelo necessary.					
Impaired Water	Impairment	Approv	ed TMDL	TMDL assigns	s WLA to MS4
		☐ 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
		Yes	□No	☐ Yes	□ No
C. What specific sources contri	buting to the impairment(s)	are you targeting in yo	ur storm wate	r program?	
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)?					□No
E. Are you implementing additional specific provisions to ensure their continued integrity?					□No

		ucation and Publi	c Participat	ion				
A Ta -	vour publ			IOH				
•	-			pollutants and sources of those pollutants?		□No		
3. If y	yes, what	are the specific sources	and/or pollutan	ts addressed by your public education prog	ram?			
	itter, se							
				d reduction in fertilizer use; NOT tasks, even by the during this reporting period.	ents, publicat	ions) ful		
E	ducated	4th grade kids 765	kids about w	vater and storm water				
		e an advisory committee that provides regular in		comprised of the public and other range water program?	☐ Yes	<b>∠</b> No		
E. Do	you belo	ng to a storm water coal	ition or other ac	dvisory committee? If yes, describe:	<b>∠</b> Yes	□No		
W	eber Co	ounty Stormwater Co	palition, USW	/AC				
l. Co	nstruct	tion						
A. Do	you have	e an ordinance or other re	egulatory mech	anism stipulating:				
Erc	Erosion and sediment control requirements?					□No		
Oth	Other construction waste control requirements?					□No		
	quiremen	Yes	□ No					
		ement authority?			☐ Yes	<b>∠</b> No		
	J 1							
	Reviewing construction plans?					☑ No		
	Performing inspections? Responding to violations?					☑ No		
				.1	☐ Yes	<b>☑</b> No		
	What is the threshold for construction storm water plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? projects greater than 1 acre, or part of a common plan of development.							
		, <u></u>			1 ·	.1		
	•		uction sites ≥ 1	acre in operation in your jurisdiction at any	time during	the		
-	porting pe	<del></del>						
E. Ho	ow many o	of the sites identified in	4.D did you ins	pect during this reporting period? 12				
F. Ide	Identify the number of active construction sites < 1 acre in operation in your jurisdiction at any time during the reporting							
per	riod. <u>20</u>							
G. Ho	ow many o	of the sites identified in	4.F did you insp	pect during this reporting period? 20				
H. Des	, , , , , , , , , , , , , , , , , , ,							
	Most sites are done monthly.							
-		ritize certain constructio	n sites for more	e frequent inspections?	☐ Yes	 <b>Z</b> No		
	•	d on what criteria?			_	_		
	The state of the s		s of enforcemen	nt actions you used during the reporting per	riod for const	ruction		
				ose for which you do not have authority:	.104 101 001130			
	] Yes	Notice of violation	# <b>0</b>	No Authority □				
	] Yes	Administrative fines	# <b>0</b>	No Authority □				
	] Yes	Stop Work Orders	# <b>0</b>	No Authority □				
	] Yes	Civil penalties	# <b>0</b>	No Authority □				
	l Yes	Criminal actions	# <u>0</u> # 0	No Authority □				

No Authority  $\square$ 

Administrative orders # 0

Other \_\_\_\_

☐ Yes

☐ Yes

K.				eadsheet) to track the locations, onstruction sites in your jurisdiction?	<b>✓</b> Yes	□ No
L.	-			nented during this reporting period?		
		• •		s not being performed, silt fence inpr	operly inst	alled.
M.	How often	n do municipal employees	receive training on	the construction program? annually		
5.	Illicit Dis	scharge Elimination	ı			
A.	Have you	completed a map of all ou	tfalls and receiving	g waters of your storm sewer system?	<b>∠</b> Yes	□No
B.	Have you system?	completed a map of all sto	orm drain pipes and	other conveyances in the storm sewer	☐ Yes	<b>☑</b> No
C.	Identify th	ne number of outfalls in yo	ur storm sewer sys	tem. <u>26</u>		
D.	Identify th	ne number of Class V injec	tion wells in your j	jurisdiction. 11		
E.	Do you ha	we documented procedure	s, including freque	ncy, for screening outfalls?	☐ Yes	<b>☑</b> No
F.	Of the out 0	falls identified in 5.C, how	many were screer	ned for dry weather discharges during the	is reporting	period?
G.	Of the out	falls identified in 5.C, how	v many have been s	screened for dry weather discharges at ar	ny time sinc	e you obtained
		nit coverage? 26		,		•
Н.	What is you	our frequency for screening	g outfalls for illicit	discharges? Describe any variation base	ed on size/ty	rpe.
I.	Do you ha		egulatory mechanis	sm that effectively prohibits illicit	<b>∠</b> Yes	□ No
J.	Do you ha	we documented procedure	s for tracing and re	moving an illegal discharge?	☐ Yes	<b>☑</b> No
K.	•	eve an ordinance or other recommendation and/or reco		sm that provides authority for you to ssing illicit discharges?	<b>∠</b> Yes	□No
L.	During thi	is reporting period, how m	any illicit discharge	es/illegal connections have you discover	ed? 1	
M.	Of those il	llicit discharges/illegal cor	nnections that have	been discovered or reported, how many	have been	eliminated?
	1	<del>-</del>				
N.				ctions you used during the reporting period you do not have authority:	iod for illici	t discharges,
	☐ Yes	Notice of violation	# 0	No Authority □		
	☐ Yes	Administrative fines	# 0	No Authority □		
	☐ Yes	Stop Work Orders	# 0	No Authority □		
	☐ Yes	Civil penalties	#_0	No Authority □		
	☐ Yes	Criminal actions	# 0	No Authority □		
	☐ Yes	Administrative orders	# 0	No Authority □		
	☐ Yes	Other		#		
O.	How ofter	n do municipal employees	receive training on	the illicit discharge program? annually	y at confer	ences

# 6. Storm Water Management for Municipal Operations

A.	Have storm water pollution prevention plans (or an equa	ivalent plan) been dev	eloped for:		
	All public parks, ball fields, other recreational facilities	and other open spaces	\$	☐ Yes	<b>✓</b> No
	All municipal construction activities, including those di	sturbing less than 1 ac	re	☐ Yes	<b>✓</b> No
	All municipal turf grass/landscape management activities	es		☐ Yes	<b>✓</b> No
	All municipal vehicle fueling, operation and maintenance	ce activities		☐ Yes	<b>✓</b> No
	All municipal maintenance yards			Yes	☐ No
	All municipal waste handling and disposal areas			☐ Yes	<b>✓</b> No
	Other				
В.	Are storm water inspections conducted at these facilitie	s?		☐ Yes	<b>✓</b> No
C.	If Yes, at what frequency are inspections conducted?				
D.	List activities for which operating procedures or manag developed (e.g., road repairs, catch basin cleaning).	ement practices specif	ic to storm water r	nanagemen	t have beer
	Stormwater costruction activity permits entered t	hrough our digital tr	acking system, v	with remin	ders
E.	Do you prioritize certain municipal activities and/or fac	ilities for more freque	nt inspection?	<b>∠</b> Yes	☐ No
F.	If Yes, which activities and/or facilities receive most free	equent inspections? ro	oad shops, fairgro	ounds	
G.	How are you disposing of catch basin decant water and	solid material?			
	evaporation, infiltration, solid waste disposal				
Η.	Are municipal vehicles washed into an approved waster	water disposal system?		<b>∠</b> Yes	□No
I.	Do all municipal employees and contractors overseeing water-related activities receive comprehensive training			<b>✓</b> Yes	□No
J.	If yes, do you also provide regular updates and refreshe	rs?		<b>✓</b> Yes	☐ No
K.	If so, how frequently and/or under what circumstances?	Annually at confer	ences		
7.	Long-term (Post-Construction) Storm Wat	ter Measures			
	Do you have an ordinance or other regulatory mechanis				
	Site plan reviews for storm water/water quality of all ne	•	t projects?	<b>✓</b> Yes	□No
	Long-term operation and maintenance of storm water m	-	r	☐ Yes	✓ No
	Retrofitting to incorporate long-term storm water manage	•		☐ Yes	✓ No
В.	If you have retrofit requirements, what are the circumst	ances/criteria?			_
C.	What are your criteria for determining which new/re de	vyolomment stomm vyoto	m mlang yayı yıjılı ma	viow (o a	
C.	What are your criteria for determining which new/re-de projects disturbing greater than one acre, etc.) project	=		view (e.g.,	an projects
D.	Do you require water quality or quantity design standard directly or by reference to a state or other standard, be re-development?			<b>✓</b> Yes	□ No
E.	Do these performance or design standards require that p	ore-development hydro	ology be met for:		
	Flow volumes	☐ Yes	✓ No		
	Peak discharge rates	<b>✓</b> Yes	□ No		
	Discharge frequency	☐ Yes	✓ No		
	Flow duration	☐ Yes	<b>✓</b> No		

F.	Please provide the URL/reference where all post-construction storm water management standards can be found.							
	http://www.co.weber.u	ut.us/mediawiki/index.php/Municipal_[	BMPs					
G.	How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 33							
H.	How many of the plans i	identified in 7.G were approved? 15						
I.	How many privately owned permanent storm water management practices/facilities were inspected during the reporting period? 0							
J.	How many of the practic	ces/facilities identified in I were found to	have inadequate maintenance?	N/A				
K.	How long do you give o	perators to remedy any operation and mai	ntenance deficiencies identifie	ed during ins	spections?			
L.	Do you have authority to storm water practices/fac	o take enforcement action for failure to procilities?	operly operate and maintain	☐ Yes	<b>☑</b> No			
M.	How many formal enfor	cement actions (i.e., more than a verbal or	r written warning) were taken	for failure to	adequately			
	operate and/or maintain	storm water management practices? 0						
N.	Do you use an electronic BMPs, inspections and r	c tool (e.g., GIS, database, spreadsheet) to maintenance?	track post-construction	☐ Yes	<b>☑</b> No			
O.	Do all municipal departr	ments and/or staff (as relevant) have access	ss to this tracking system?	☐ Yes	<b>✓</b> No			
P.	How often do municipal	employees receive training on the post-co	onstruction program? annual	lly				
8.	Program Resource	es						
A.	What was the annual exp	penditure to implement MS4 permit require	rements this reporting period?	\$20,000				
B.	What is next year's budg	get for implementing the requirements of	your MS4 NPDES permit? <u>r</u>	not a line ite	em			
C.	This year what is/are you derived from each?	ur source(s) of funding for the storm water	r program, and annual revenue	e (amount or	percentage)			
	Source: General Fund		Amount \$ 20,000	OR %	ó			
	Source:		Amount \$	OR %	ó			
	Source:		Amount \$	OR %	о́			
D.	•	our municipality devote to the storm wate employees with other primary responsibil		plementing t	the storm water			
E.	Do you share program in	mplementation responsibilities with any o	ther entities?	<b>✓</b> Yes	□No			
		Activity/Task/Responsibility	Your Oversight/Accounta	•				
	Weber County	Training and public outreach	The county provides some	materials an	d outreach			

## 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
Other agencies e.g. Weber Basin monitoring	(,)		
Cities agenticed e.g. Weber Bacin membering			
-			

В.	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.

not available

#### 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.

4G We try to get out every month to sites with NOIs. Some sites still have NOIs that are active, but there is no active construction going on. We've had problems with the State Database, and not being able to tell if someone has requested an NOT. That leads to some things are being inspected that could probably be terminated. We've been working with Monique on this.

5B We have a firm hired this year, and we are working on getting the storm water masterplan updated.

5F The outfalls have been inspected each calendar year, but it was outside the July 1, 2012 to June 30, 2013 window.

5L The spill in our jurisdicion was reported to the Weber-Morgan Health Department. It was contained on the asphalt and cleaned up.

7G This was more a count of subdivisions that were submitted during the reporting period. During the review process the requirements of having a SWPPP was discussed. We didn't really dig into assessing the impacts on the water quality, but focused more on being able to mitigate additional impacts to the that would be caused by the construction that would be happening. Many of the sites were simple one lot subdivisions, and may not have been required to get an NOI through the state though. Some of them were amendments to existing subdivisions, which may have just been re-aligning the lot lines.

7H The number reflects those that were submitted and approved during the reporting period. There may have been some additional ones that were submitted prior to the reporting period that were approved in the reporting period. Similar to the ones listed in 7G that were submitted, but may be approved after the reporting period.

## 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.

X Yes

Name of Certifying Official, Title

WEBEL COUNTY

Date (mm/dd/vvvv)



PUBLIC WORKS /ENGINEERING (801) 399-8374 FAX: (801) 399-8862 Jared Andersen, P.E. County Engineer

Rhonda Thiele DEQ/Division of Water Quality 195 North 1950 West PO Box 144870 Salt Lake City, UT 84114-4870 10/1/2014

Subject: Submittal of 2014 - MS4 Annual Report

Dear Ms. Thiele,

Please receive this executed copy of the 2014 –MS4 Annual Report in compliance with the MS4 Permit #UTR090022 for Storm Water Discharge issued to Weber County by the State of Utah.

Please direct any question regarding this report to myself or Mr. Blane W. Frandsen PE at (801) 399-8054. An electronic copy of this report was transmitted earlier today.

Respectfully,

Jared Andersen PE Weber County Engineer

Enclosures: 2014- MS4 Annual Report

# 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

Weber County, Utah					
Name of MS4					
Jared	Andersen PE	Andersen PE County Engineer		gineer	
Name of Contact Person (First)	(Last)		(Title)		
(801) 399-8374	jan	dersen@co.webe	r.ut.us		
Telephone (including area code	Ema	il			
2380 Washington Blvd. S	uite 240				
Mailing Address					
Ogden		UT	84401		
City		State	ZIP code		
What size population does your	MS4 serve? 14,074 (2010)	UPDES number	JTR090022		
What is the reporting period for	this report? (mm/dd/yyyy)	From 07/01/2013	3 to 06/3	0/2014	_
2. Water Quality Priorit	ies				
A. Does your MS4 discharge	to waters listed as impaired on a	a state 303(d) list?	$\checkmark$	Yes  \[ \] N	lo
	red water, the impairment, whet load allocation to your MS4. Us				
Impaired Water	Impairment	Approv	ed TMDL	TMDL assigns	s WLA to MS4
Ogden River - 1	Benthic Macroinvertibrate	es Bio Yes	☑ No	☐ Yes	✓ No
Pineview Reservoir	Fish, Shellfish, Wildlife	P&P   ✓ Yes	☐ No	☐ Yes	✓ No
Weber River - 1	Benthic Macroinvertibrate	es Bio	☑ No	☐ Yes	✓ No
Weber River - 3	Benthic Macroinvetibrates	s Bioa ☐ Yes	☑ No	☐ Yes	✓ No
		Yes	☑ No	☐ Yes	□No
		Yes	☑ No	☐ Yes	□No
		Yes	□No	☐ Yes	□No
		Yes	□No	☐ Yes	□No
684	ributing to the impairment(s) ar				ment
D. Do you discharge to any high waters, or other state or fed	gh-quality waters (e.g., Tier 2,		, ,	•	□ No
	itional specific provisions to en	sure their continued i	ntegrity?	✓ Yes	□No

3.	Public E	Education and Publi	c Participa	tion				
A.	Is your pu	ıblic education program ta	rgeting specific	pollutants and sources of those pollutants?	✓ Yes	□No		
В.	If yes, what are the specific sources and/or pollutants addressed by your public education program?							
	Litter, S	Sediments, oil changir	ng, sidewalk	& driveway wash down				
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.							
D.		ave an advisory committee ers that provides regular ir		comprised of the public and other orm water program?	✓ Yes	□ No		
E.	Do you be	elong to a storm water coal	lition or other a	dvisory committee? If yes, describe:	Yes	☐ No		
	Weber (	County Storm Water C	Coalition					
4.	Constru	ıction						
A.	Do you ha	ave an ordinance or other r	egulatory mech	nanism stipulating:				
	Erosion a	nd sediment control requir	ements?		✓ Yes	☐ No		
	Other con	struction waste control req	uirements?		✓ Yes	☐ No		
	Requirem	✓ Yes	☐ No					
_	MS4 enfo	☐ Yes	✓ No					
В.	5. <del></del> 5	ave written procedures for:			☐ Yes			
	Reviewing construction plans?					☑ No		
	Performing inspections? Responding to violations?					☑ No		
C.			n storm water i	plan review (e.g., all projects, projects distur	☐ Yes	☑ No		
Ο.				rea or 200 CY of Excavation	onig greater	tilali		
D.		50 Sec. 2001 10		acre in operation in your jurisdiction at any	time during	the		
		period. 49		and any	time daring			
E.	How many	v of the sites identified in 4	1 D did you ins	nect during this reporting period? ALL				
F.	How many of the sites identified in 4.D did you inspect during this reporting period? ALL Identify the number of active construction sites < 1 acre in operation in your jurisdiction at any time during the reporting							
1.	period. 48							
<b>C</b>	more and the second		(5)					
				pect during this reporting period? ALL				
H.	Describe, on average, the frequency with which your program conducts construction site inspections.							
		ery 30 days and after						
I.	Do you pr	ioritize certain construction	n sites for more	e frequent inspections?	☐ Yes	✓ No		
	If Yes, bas	sed on what criteria?						
J.	Identify waterivities,	hich of the following types indicate the number of act	s of enforcement ions, or note the	nt actions you used during the reporting periose for which you do not have authority:	od for consti	ruction		
	☐ Yes	Notice of violation	# <b>0</b>	No Authority □				
	☐ Yes	Administrative fines	# <b>0</b>	No Authority □				
	☐ Yes	Stop Work Orders	# <b>0</b>	No Authority □				
	☐ Yes	Civil penalties	# <b>0</b>	No Authority □				
	☐ Yes	Criminal actions	# <b>0</b>	No Authority □				
	☐ Yes	Administrative orders	# 0	No Authority □				
		Administrative orders	π	"O				

K.				pase, spreadsheet) to track the locations, active construction sites in your jurisdiction?	<b>✓</b> Yes	☐ No
L.				ns documented during this reporting period?		
				aintain BMP's; 3) Failure to do weekly or bi-	SWPPP in	spect
M.	How ofter	n do municipal employees	receive tra	ining on the construction program? Annually @	APWA Conf	erence.
_	III: -:4 D:	aabauus Eliusissatiau	<b>1</b> 8			
		scharge Eliminatior			_	
		100 total 100 to 200		receiving waters of your storm sewer system?  pipes and other conveyances in the storm sewer		□ No ☑ No
C.	Identify tl	ne number of outfalls in yo	our storm s	ewer system. 41		
D.	Identify th	ne number of Class V injec	ction wells	in your jurisdiction. 57		
Ε.	1971		10700	g frequency, for screening outfalls?	☐ Yes	☑ No
F.	18	tralls identified in 5.C, how	v many we	re screened for dry weather discharges during th	is reporting	period?
G.	Of the out	tfalls identified in 5.C, how	v many hav	ve been screened for dry weather discharges at ar	ny time sinc	e you obtained
	MS4 pern	nit coverage? 26				
Н.	What is y	\$ XX X	g outfalls f	for illicit discharges? Describe any variation base	d on size/ty	rpe.
I.	Do you ha		egulatory i	mechanism that effectively prohibits illicit	✓ Yes	□No
J.	Do you ha	ave documented procedure	s for tracin	g and removing an illegal discharge?	☐ Yes	✓ No
K.				mechanism that provides authority for you to or addressing illicit discharges?	✓ Yes	□ No
L.	During th	is reporting period, how m	any illicit	discharges/illegal connections have you discover	ed? 1	
M.	Of those i	llicit discharges/illegal cor	nnections th	hat have been discovered or reported, how many	have been e	eliminated?
N.	10 1000 Hz			rement actions you used during the reporting perior which you do not have authority:	od for illici	t discharges,
	☐ Yes	Notice of violation	# 0	No Authority □		
	☐ Yes	Administrative fines	#_0	No Authority □		
	☐ Yes	Stop Work Orders	# 0	No Authority □		
	☐ Yes	Civil penalties	# 0	No Authority □		
	☐ Yes	Criminal actions	# 0	No Authority □		
	☐ Yes	Administrative orders	# 0	No Authority □		
	☐ Yes	Other		#		
)	How ofter	n do municipal employees	receive tra	ining on the illicit discharge program? Annually	vat Confer	ences

6.	Storm Water Management for Municipal Operations
A.	Have storm water pollution prevention plans (or an equivalent plan)
	All public parks hall fields other recreational facilities and other on

11.	Trave storm water portation prevention plans (or an equivalent plan) be	cer acver	oped for.		
	All public parks, ball fields, other recreational facilities and other open	spaces		☐ Yes	<b>✓</b> No
	All municipal construction activities, including those disturbing less that	an 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				
В.	Are storm water inspections conducted at these facilities?			✓ Yes	□No
C.	If Yes, at what frequency are inspections conducted? Annually				
D.	List activities for which operating procedures or management practices developed (e.g., road repairs, catch basin cleaning).			nanagement	have been
	Storm water construction activity permits entered through and tra				-
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 inspection	ons? road	lshops, fairground	s, transfer st	ation
G.	How are you disposing of catch basin decant water and solid material?				
	evaporation, infiltration, solid waste disposal				
Н.	Are municipal vehicles washed into an approved wastewater disposal s			✓ Yes	☐ No
I.	Do all municipal employees and contractors overseeing planning and in water-related activities receive comprehensive training on storm water			✓ Yes	□No
J.	If yes, do you also provide regular updates and refreshers?	lso provide regular updates and refreshers?			
K.	K. If so, how frequently and/or under what circumstances? annually at conferences				10
_					
7.	Long-term (Post-Construction) Storm Water Measure	S			
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-develo		rojects?	<b>✓</b> Yes	☐ No
	Long-term operation and maintenance of storm water management cont			☐ Yes	✓ No
Ъ	Retrofitting to incorporate long-term storm water management controls	s?		☐ Yes	✓ No
В.	If you have retrofit requirements, what are the circumstances/criteria?				
C	What are your criteria for determining which was to determine		1 '11	•	
C.	What are your criteria for determining which new/re-development storn	_			Il projects,
2007	projects disturbing greater than one acre, etc.) Disturbing 5000 SF or			YOTEX	<u> </u>
D.	Do you require water quality or quantity design standards or performand directly or by reference to a state or other standard, be met for new devere-development?			✓ Yes	□No
E.	Do these performance or design standards require that pre-development	t hydrolo	gy 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.							
	http:www.co.weber.ut.usmediawiki/index.php/Municip							
G.	How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 168							
Н.	How many of the plans identified in 7.G were approved? 13							
I.	How many privately owned permanent storm water management practices/facilities were inspected during the reporting period? 2							
J.	How many of the practices/facilities identified in I were found to have inadequate maintenance? 0							
K.	How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections?  As-Needed							
L.	Do you have authority to take enforcement action for failure to properly operate and maintain Yes V No storm water practices/facilities?							
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? 0							
N.	Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction    Yes   No BMPs, inspections and maintenance?							
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							
8.	Program Resources							
A.	What was the annual expenditure to implement MS4 permit requirements this reporting period? \$20,000							
В.	What is next year's budget for implementing the requirements of your MS4 NPDES permit? \$20,000							
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: General Fund Amount \$ 20,000 OR %							
	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)? 2							
E.	Do you share program implementation responsibilities with any other entities?   ✓ Yes   No							
	Entity Activity/Task/Responsibility Your Oversight/Accountability Mechanism							
	Weber County Training and Public Outreach The county provides some materials and outreach.							
	Weber County Storm Water Coali Training and Public Outreach Coalition Member and Committee Member							

#### 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
Other agencies			
e.g. Weber Basin Monitoring			

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.

We are now beginning to see a pick up in the number of new development projects increasing somewhat steadily. We are also seening the builder and contractors beginning to have a greater awareness of the need to protect the environment through the use of the Stormwater Pollution Prevention Plan requirements. Still alot of grumbling from the small builders but the larger contractors are anticpating the requirements and seem to be cooperating.

#### 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.

2A&B Running a check on any impaired waters in Weber county has identified the Pineview Reserrivoir two sections of the Weber river and 1 section of the ogden River to be lissted as impaired due to Benthic Macroinvertibrates Bioassessments. The TMDL has been approved for the Pineview Reservoir but no TMDL's have been approved for the 3 river segments.

4G We try to get out every month to sites with NOIs. Some sites still have NOIs that are active, but there is no active construction going on. We've had problems with the State Database, not being able to tell if someone has requested an NOT. That leads to some sites having to be inspected that should probably be terminated. We've been working with Monique on this.

5B We engaged a firm last year to prepare a storm drain master plan. They are nearing their first submission of the report.

5D A check of recoreds filed with the state shows 57 Class V injection well this is up from 11 wells indentified in previous reports. We were unable to find back up for the number of injection wellsa previously reported and will continue to verify and inspect the well identified in this years report.

5F The outfalls are inspected each calendar year, but it may be outside the July 1 thru June 30 window.

5L The spill in our jurisdicion was reported to the Weber-Morgan Health Department. It was cleaned up by our Roads Department. We have deatiled records on the incident since the spill was a contractor engaged by the county to do chip sealing.

7G This is the count of subdivisions that were submitted during the reporting period. During the review process the requirements of having a SWPPP was discussed. Many of the sites were simple one lot subdivisions where not construction was to occur just a simple creation of a separate tax parcel for separating the residence on a large aggrecultural parcel from the rest of the aggricultural activities typically not having been required to get an NOI through the state. Some of these also were simple amendments to existing subdivisions, which simply re-aligned the lot lines.

7H I'm using the number of building permits issued. The number reflects those that were submitted and approved during the reporting period. There may have been some additional ones that were submitted prior to the reporting period that were approved in the reporting period.

### 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.

WEBER COUNTY ENGINEER

Date (mm/dd/yyyy)

+

☐ Yes

Name of Certifying Official, Title

# 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							
Weber County, Utah							
Name of MS4							
Jared	Andersen PE		(	County E	ngineer		
Name of Contact Person (First)	(Last)			Title)			_
(801) 399-8374	jar	ndersen@	co.weber	.ut.us			
Telephone (including area code)	Em	ail				<u>.</u>	
2380 Washington Boulevard	I, Suite 230						
Mailing Address							
Ogden		UT	8	34401			
City		State	Z	IP code			
What size population does your M	S4 serve? 14,074 (2010)	UPDES 1	number U	TR09002	2		
			 7/01/2014		/30/2015	_	
What is the reporting period for thi	is report? (mm/dd/yyyy)	110111		10			
2. Water Quality Priorities	3						
A. Does your MS4 discharge to v	vaters listed as impaired on	a state 303	(d) list?	ļ	✓ Yes □ N	No	
B. If yes, identify each impaired the TMDL assigns a wasteloanecessary.	water, the impairment, whe d allocation to your MS4. U	ther a TMD Jse a new lin	L has been ne for each	approved b impairment	by EPA for each t, and attach add	, and whether litional pages	as
Impaired Water	Impairment		Approve	d TMDL	TMDL assign	s WLA to M	S4
Ogden River - 1	Benthic Macrovertibrat	es	☐ Yes	☑ No	☐ Yes	☑ No	
Piveview Reservoir	Fish, Shellfish, Wildlif	e P7P	✓ Yes	☐ No	☐ Yes	✓ No	
Weber River - 1	Benthic Macrovertib	rates	☐ Yes	☑ No	☐ Yes	✓ No	
Weber River - 3	Benthic Macrovertib	rates	☐ Yes	✓ No	☐ Yes	✓ No	
			☐ Yes	☐ No	☐ Yes	□ No	
	1		☐ Yes	☐ No	☐ Yes	☐ No	
			☐ Yes	☐ No	☐ Yes	□ No	
			☐ Yes	□No	☐ Yes	☐ No	
C. What specific sources contribu		(E17)				P's.	
D. Do you discharge to any highwaters, or other state or federa	quality waters (e.g., Tier 2,					□ No	
E. Are you implementing addition	9 /	sure their c	ontinued in	tegrity?	✓ Yes	☐ No	

3.	<b>Public Education and Pub</b>	lic Participation		
A.	Is your public education program t	targeting specific pollutants and sources of those pollutants	? Z Yes	☐ No
B.	If yes, what are the specific source	es and/or pollutants addressed by your public education pro	gram?	100.700.000
	Fertilizers, Litter, Sediments	s, Oil Changing, Sidewalk & Driveway Wash Dov	vn	
C.		s) (e.g., quantified reduction in fertilizer use; NOT tasks, exblic education program during this reporting period.	ents, publicat	ions) fully
	Number SWPPP submittals incl	reasing. Number of local contractors getting RSI Certifi	cation increa	sing.
D.		ee or other body comprised of the public and other input on your storm water program?	✓ Yes	□ No
E.	Do you belong to a storm water co	alition or other advisory committee? If yes, describe:	Yes	☐ No
	Weber County Storm Water	Coalition		
4.	Construction			
A.	Do you have an ordinance or other	regulatory mechanism stipulating:		
	Erosion and sediment control requi		Yes	□No
	Other construction waste control re	equirements?	✓ Yes	☐ No
	Requirement to submit constructio	n plans for review?	Yes	□No
	MS4 enforcement authority?		Yes	☐ No
В.	Do you have written procedures fo	r:		
	Reviewing construction plans?		☐ Yes	✓ No
	Performing inspections?		✓ Yes	☐ No
0	Responding to violations?		☐ Yes	<b>∠</b> No
C.		ion storm water plan review (e.g., all projects, projects distr	urbing greater	than
_		SF of Surface Area or 200 CY of Excavation		_
D.		ruction sites $\geq 1$ acre in operation in your jurisdiction at an	y time during	the
	reporting period. 20			
E.	How many of the sites identified in	4.D did you inspect during this reporting period?		
F.	Identify the number of active const	ruction sites < 1 acre in operation in your jurisdiction at an	y time during	the reporting
	period. 78			
G.	How many of the sites identified in	4.F did you inspect during this reporting period? All		
		with which your program conducts construction site inspe	ections	
0.01	Once every 30 days and or a		etions.	
I.		on sites for more frequent inspections?	☐ Yes	 ☑ No
••	If Yes, based on what criteria?	on sites for more frequent inspections:	☐ 1 cs	MY NO
J.	*	es of enforcement actions you used during the reporting pe	ried for const	
	activities, indicate the number of ac	ctions, or note those for which you do not have authority:	riod for collsu	uction
	☐ Yes Notice of violation	# 0 No Authority □		
	☐ Yes Administrative fines	# 0 No Authority □		
	☐ Yes Stop Work Orders	# 0 No Authority □		
	☐ Yes Civil penalties	# 0 No Authority $\square$		
	☐ Yes Criminal actions	# 0 No Authority $\square$		
	☐ Yes Administrative orders			

K.		e an electronic tool (e.g., or results, and enforcement		et) to track the locations, etion sites in your jurisdiction?	<b>✓</b> Yes	□ No
L.	0. <del>-</del> 2			during this reporting period?		
				1P's; 3) Failure to Inspect re	gularly	
М				onstruction program? Annually	<i>5</i> · · · <i>y</i>	
141.	now onen	do municipal employees	receive training on the ec	instruction program: Turndany		
5.	Illicit Dis	scharge Elimination	i.			
		₩		rs of your storm sewer system?	<b>✓</b> Yes	□No
				conveyances in the storm sewer	✓ Yes	□ No
C.	Identify th	e number of outfalls in yo	ur storm sewer system.	41		
D.	Identify th	e number of Class V injec	tion wells in your jurisdi	ction. 11		
E.	Do you ha	ve documented procedures	s, including frequency, fo	or screening outfalls?	<b>✓</b> Yes	□No
F.	Of the out	falls identified in 5.C, how	many were screened for	dry weather discharges during thi	is reporting	period?
G.	Of the out	falls identified in 5.C, how	many have been screene	ed for dry weather discharges at ar	ny time sinc	e you obtained
		it coverage? 41				•
H.	What is yo		g outfalls for illicit discha	arges? Describe any variation base	d on size/ty	pe.
I.	Do you had		egulatory mechanism that	t effectively prohibits illicit	✓ Yes	□ No
J.	Do you ha	ve documented procedures	s for tracing and removing	g an illegal discharge?	☐ Yes	✓ No
K.		ve an ordinance or other receivement action and/or recover		t provides authority for you to licit discharges?	<b>∠</b> Yes	□ No
L.	During this	s reporting period, how ma	any illicit discharges/illeg	gal connections have you discover	ed? 11	
M.	Of those ill	licit discharges/illegal con	nections that have been d	liscovered or reported, how many	have been e	liminated?
N.	Identify wh	nich of the following types e number of actions, or no		you used during the reporting peri	od for illicit	discharges,
	☐ Yes	Notice of violation	# <b>0</b>	No Authority □		
	☐ Yes	Administrative fines	# <b>O</b>	No Authority □		
	☐ Yes	Stop Work Orders	# 0	No Authority □		
	☐ Yes	Civil penalties	# 0	No Authority □		
	☐ Yes	Criminal actions	# 0	No Authority □		
	☐ Yes	Administrative orders	# 0	No Authority □		
	☐ Yes	Other		# <b>0</b>		
O.	How often	do municipal employees r	receive training on the illi	icit 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	☐ 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		
В.	Are storm water inspections conducted at these facilities?	✓ Yes	□No
C.	If Yes, at what frequency are inspections conducted? Annually		
D.	List activities for which operating procedures or management practices specific to storm was developed (e.g., road repairs, catch basin cleaning).  Stormwater construction activity permits entered through Miradi.	iter managemen	t 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? Road shops, fairg	jrounds, transfer s	tation
G.	How are you disposing of catch basin decant water and solid material?		
	evaporation and solid waste disposal		
Η.	Are municipal vehicles washed into an approved wastewater disposal system?	✓ Yes	□ No
I.	Do all municipal employees and contractors overseeing planning and implementation of sto water-related activities receive comprehensive training on storm water management?	orm 🛭 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? Annual conference attendance a	and RSI Certific	ation
7	Long-term (Post-Construction) Storm Water Measures		
Α.	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?  Long-term operation and maintenance of storm water management controls?	✓ Yes	□ No
		☐ Yes	☑ No
R	Retrofitting to incorporate long-term storm water management controls?  If you have retrofit requirements, what are the circumstances/criteria?	☐ Yes	✓ No
Ь.	if you have retrofit requirements, what are the circumstances/enteria?		
C.	What are your criteria for determining which new/re-development storm water plans you wi	ll review (e o s	 Ill projects
	projects disturbing greater than one acre, etc.) Disturbing 5000 SF of Area or 200 CY o		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?	<b>✓</b> Yes	 □ No
Ε.	Do these performance or design standards require that pre-development hydrology be met for	or:	
	Flow volumes		
	Peak discharge rates  ☑ Yes ☐ No		
	Discharge frequency ☐ Yes ☑ No		
	Flow duration Yes V No		

F.	Please provide the URL/reference where all post-construction storm water management standards can be found.
	http:www.co.weber.ut.usmediawiki/index.pup/Municip
G.	How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 110
_	How many of the plans identified in 7.G were approved? 53
I.	How many privately owned permanent storm water management practices/facilities were inspected during the reporting period? 2
J.	How many of the practices/facilities identified in I were found to have inadequate maintenance? 0
K.	How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections?  30 Days usually longer if needed and agreed upon
L.	Do you have authority to take enforcement action for failure to properly operate and maintain  Yes  No storm water practices/facilities?
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? 0
N.	Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction    Yes    No BMPs, inspections and maintenance?
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
8.	Program Resources
A.	What was the annual expenditure to implement MS4 permit requirements this reporting period? \$20,000-
B.	What is next year's budget for implementing the requirements of your MS4 NPDES permit? \$20,000
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: General Fund Amount \$ 20,000 OR %
	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)? 3
E.	Do you share program implementation responsibilities with any other entities?   ☑ Yes □ No
	Entity Activity/Task/Responsibility Your Oversight/Accountability Mechanism
	WCSWC Training Public Outreach Coalition Member and Committee Member, RSI Trainer

#### 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
Teacher Feedback Water Fair	An	nually	1
Number of Construction Permits			
Number of SWPPP's Issued			. (

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.

We see more and more contractors coing in and getting Construction Permits. We have the ability now through Blue Stakes to catch those not pulling permits. the New State construction permits requiring contractors to have certified inspectors and training such noting the potential penalies for not getting permits is makkeing a lot more contractors conscious of storm water managment and polution prevention. Small builders pleading ignorance and grumbling but the awar of fines and penalties.

#### 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.

4G We try to and are generally successful in getting out to every construction site with an NOI or SWPPP when less than 1 acre disturbed. Getting parties to apply for NOT's still a problem but improving.

5B The Storm drain master plan, although not comprehensive for the full county, has been completed showing stormdrain facilities in the unencorporated areas of the County.

5D The State indicates records of 57 Class V injections well within the county but most of these are in incorporated areas we are only aware of 11 wells within the unincorporated are but documentation is very poor. Just points on the States maps with limited discriptions making it hard to locate and inspect. with our limited staffing we have not been able to do much to research and better identify such.

5F The outfalls are being inspected annually but better recording and written proceed for the findings being worked on.

5L Spills are reported in our jurisdiction to the Weber-Morgan Health Department. We respond and inspect spills in the unicorporated area of the County and keep records of the inspections and cleanup activities.

7G This is the count of the number of suddivision submitted during the reporting period. Many of these sites did not have construction activity related to the subdivision and many had signle building site under the 1 acre NOI requirement. Also many of them just simple map ammendments or lot line adjustments.

### 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

COUNTY ENGI

Name of Certifying Official, Title

Date (mm/dd/xyyy)

## Problems with Pollutant and Source of Pollutant

Parameter	Problems with Pollutant	Possible Source of Pollutant
BOD₅		WWTPhuman waste & food residue, food processing, paper industries, Ag runoffanimal droppings, crop residues
COD		
Nitrate as N	Can cause oxygen depletion	
Nitrite as N	Can cause oxygen depletion	
Total Ammonia Nitrogen (NH₃)		
Total Kjeldahl Nitrogen (TKN)		
Total Nitrogen (TN)		Fertilizers
Phosphate, Ortho as PO4		Tertifizers
Total Phosphorus (TP)	Cause algae growth, which when they die exert a high BOD demand	WWTPphosphorus based detergents, AgriculturalFertilizer runoff, food processing waste
рН		Industry,
Hardness (as CaCO₃)		
Total Dissolved Solids (TDS)		Saltsdeicing agent for roads in winter, industries
Total Suspended Solids (TSS)		Mining, logging, construction activity
Calcium, Total		
Magnesium, Total		
Cadmium, Total	Bioaccumulates in tissues, kidney damage, chronic effects	Sewage sludge applied to land, phosphate fertilizers
Copper, Dissolved		WWTP, industry, architectural copper, vehicle brake pads, coppercontaining pesticides, and marine antifouling coatings; primary discharger might vary with the rainy season
Lead, Dissolved	Bioaccumulates in tissues, chronic effectsanaemia, neuropsychological disorders	Cars, mining
Zinc, Dissolved	Can be toxic at high levels to organisms	Tire wear, industries
E. coli	Is used as an indicator of pathogens	Animals and people
Oil & Grease		Restaurants, cars, asphalt surfaces
Water Temperature	Alters plant and animal eco system	High temperatures from industry
	Affects vegetative growth, ability of	Sedimenteroded soil particles,
Turbidity	light to transmit through water	bacteria
Conductivity		
Dissolved Oxygen		
Dissolved Oxygen, Saturated		
Oxidation Reduction Potential		

The landuses for each basin are based on outfall catchment, and do not reflect overland flow from non-connected areas. The following trends are noted for the receiving water EMC results:

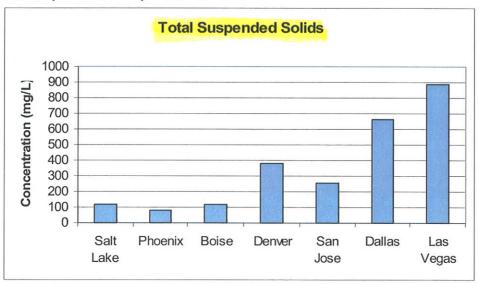
- The EMC for the Big Cottonwood Creek basin is lower compared with the other receiving waterbodies. This includes all of the parameters, with the exception of metals in 2008.
   The majority of the landuse in this basin is residential.
- The EMC for the Parley's Creek basin was higher than the other receiving waterbodies for total suspended solids and lead. The landuse in this basin consists of mixed and residential mixed.
- Total suspended solid levels were fairly consistent from 2005 to 2008.
- It is noted that an increase in many constituents occurred in 2008. This is likely due to the fact that the EMC methodology changed in 2008, as discussed in Section 4.2.

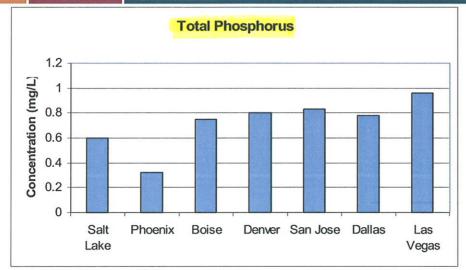
#### 4.2.3 Municipality Event Mean Concentration Comparison

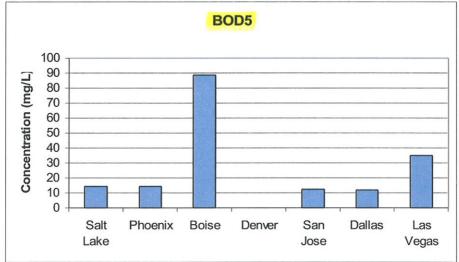
A comparison of EMCs was conducted to determine how the Salt Lake County EMC corresponds with other municipalities with similar dry climates. The municipalities chosen for the comparison were Phoenix, Arizona; Boise, Idaho; Denver, Colorado; San Jose, California; Dallas, Texas and Las Vegas, Nevada (The Practice of Watershed Protection: Article 66, 2000). While it is recognized that this data is dated, it provides a good method of comparison.

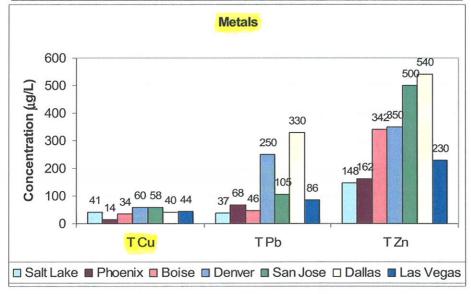
Figure 4-6 shows the breakdown of the comparison with Salt Lake County EMCs. The graphs indicate that Salt Lake County's EMCs are typically lower in comparison with the other municipalities.











each representative land use in the instances where a station was not sampled. This results in a more accurate estimate of EMCs.

TABLE 4-2 Unincorporated Salt Lake County Event Mean Concentration Summary

Constituent	2000 EMC (mg/L)	2005 EMC (mg/L)	2008 EMC <sup>1</sup> (mg/L)
Total Suspended Solids	141	106	117
Total Phosphorus	0.63	0.57	0.6
BOD₅	13	12.1	14.4
Total Copper	0.031	0.036	0.041
Total Lead	0.037	0.033	0.037
Total Zinc	0.198	0.136	0.148

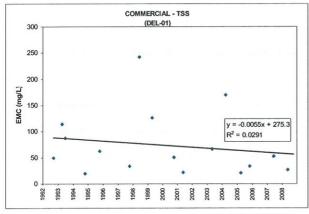
<sup>&</sup>lt;sup>1</sup> Methods for EMC calculations were modified for 2008

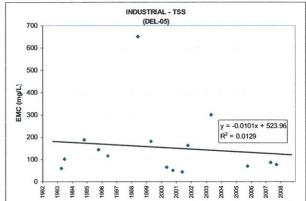
#### 4.2.1 Outfall Event Mean Concentration Trends

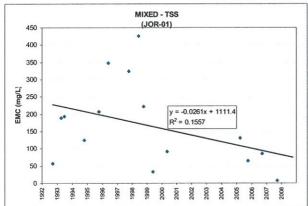
Event Mean Concentrations (EMCs) were calculated for each outfall, representing an EMC for specific landuses. This analysis provides information regarding the effect of landuse within a basin on stormwater quality. A trend analysis for each constituent for each outfall EMC is presented in Figure 4-3.

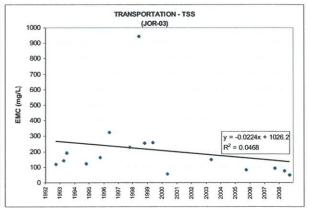
A linear regression analysis was performed in order to ascertain if there was an historical trend in outfall event concentrations. In the linear regression analysis, the outfall event concentration was plotted against date of the sampling event and the best-fit line was determined using the least-squares error method. The trend is shown by the slope of the best-fit line (negative slope indicates decreasing concentration and positive slope indicates increasing concentration) and the strength of the trend is measured by the correlation coefficient [R²] (the closer the value is to 1, the greater the strength of the correlation).

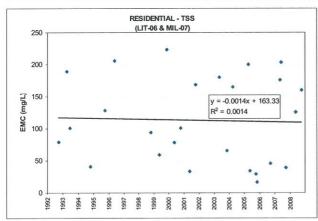
FIGURE 4-3 Outfall EMC Trends

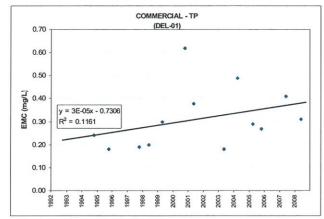


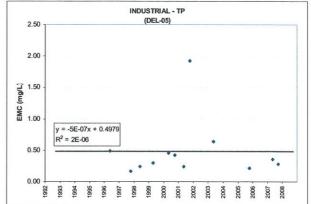


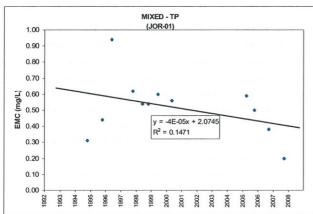


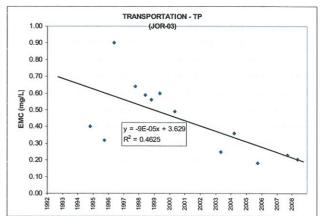


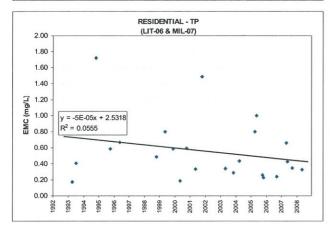




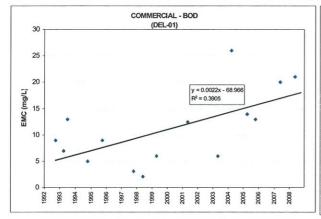


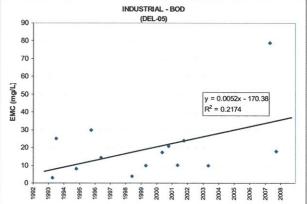


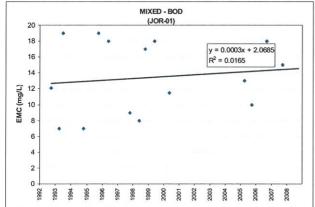


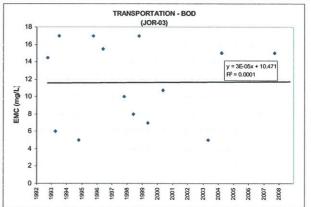


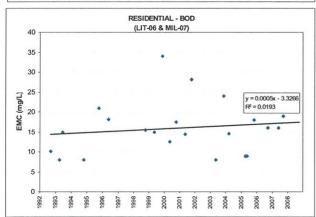
#### STORMWATER DATA ANALYSIS

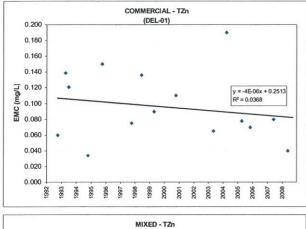


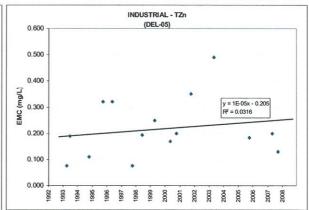


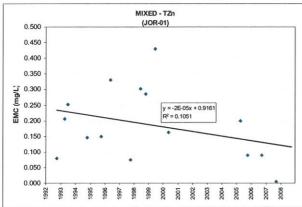


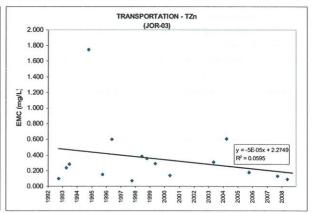


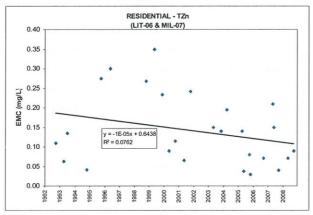












The results of this trend analysis varied; however, the following was noted:

- TSS showed a general trend downwards for all landuses; however, the strength of the trend was very poor (R<sup>2</sup> between 0.001 and 0.156)
- Total Phosphorus trend varied, with an upward trend for commercial landuse and downward trend for mixed, transportation and residential. The strength of the trend was generally poor, with the exception of transportation, which was fair.
- BOD<sub>5</sub> was generally upwards, particularly for the commercial landuse, while transportation and residential landuses were flat.

- Total Suspended Solids
- Total Phosphorus
- Total Cadmium
- Total Copper
- Total Lead
- Total Zinc

The complete set of sample results is available in the pollutograph memorandums (Salt Lake County, 2005 and 2006) and at the Engineering Division.

#### 5.2 OBSERVATIONS

It is difficult to make conclusions due to the data variation. However, the following trends were observed (refer to Appendix C for graphs of the results):

#### 2005

<u>Phosphorus</u> - The data from JOR-03 indicates this initial loading (during the first 1 ½ hour of the storm). The concentration then decreases and increases again with the second wave of precipitation. DEL-05 and MIL-07 did not exhibit a significant first flush response.

<u>TSS</u> - Similar trends were noticed for TSS; first flush, followed by a second increase in concentration with the second wave of precipitation at JOR-03 and MIL-07.

<u>Phosphorus/TSS</u> - A simple comparison was conducted for phosphorus and TSS levels for the three stations. The phosphorus and TSS concentrations showed similar trends for DEL-05 and JOR-03. No obvious trend could be determined for MIL-07.

#### **Total Metals**

Cadmium - The majority of the data for cadmium was below the detection level (0.0005 mg/L), and did not fluctuate with the flow. (The lab has indicated that accuracy decreases with concentrations near the detection level.)

Copper - Copper levels did not fluctuate with the flow with the exception of the second wave of precipitation at JOR-03.

Lead - Lead levels indicated a first flush, followed by an increase with the second wave of precipitation at JOR-03 and MIL-07.

Zinc - Zinc concentrations followed a similar trend to Lead in that a first flush is observed, followed by another increase in concentration with the second wave of precipitation at JOR-03 and MIL-07.

#### 2006

<u>Phosphorus</u> - A first flush of phosphorus was indicated at stations LIT06 and MIL07. JOR01 did not exhibit a first flush.

<u>TSS</u> – Similar trends were noticed for TSS, with a slight first flush at JOR01.

<u>Phosphorus/TSS</u> - A simple comparison was conducted for phosphorus and TSS levels for the three stations. This comparison indicates a relationship between TSS and phosphorus, particularly in stations LIT06 and MIL07.

#### **Total Metals**

Cadmium - The majority of the data for cadmium was below the detection level (0.005 & 0.01 mg/L), and did not fluctuate with the flow. (The lab has indicated that accuracy decreases with concentrations near the detection level.)

Copper - The majority of the data for copper at stations JOR01 and MIL07 was below the detection level. The copper concentrations at LIT06 indicated a definite first flush.

Lead - All of the sample results for lead were below the detection level.

Zinc - Zinc concentrations indicated a first flush, particularly at stations LIT06 and MIL07.

#### 2008

<u>Phosphorus</u> - A first flush of phosphorus was not indicated, with the exception of LIT-06 on May 12, 2008. The results from the October storm were affected by high detection levels, and consequently are not of much value. The high detection level was due to the low volume of sample.

TSS - The results varied, with a slight first flush indicated in LIT-06 in May.

<u>Phosphorus/TSS</u> - A simple comparison was conducted for phosphorus and TSS levels for the three stations. This comparison indicates a relationship between TSS and phosphorus, particularly during the spring storms, and at MIL07 during the fall storm.

#### **Total Metals**

Cadmium - The majority of the data for cadmium was below the detection level (0.005, 0.01 & 0.025 mg/L). (The lab has indicated that accuracy decreases with concentrations near the detection level.)

Copper – Results for copper varied, not showing a strong trend.

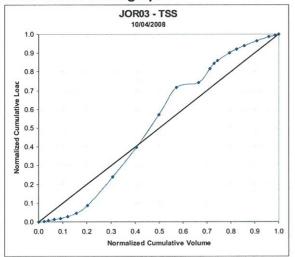
Lead – The majority of the sample results for lead were below the detection level.

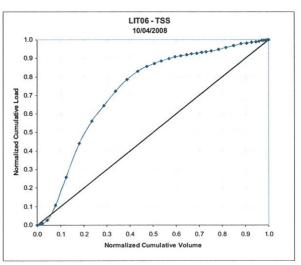
Zinc – The results for zinc were also varied, however, a minor trend indicating a relationship between flow and concentration is noted (JOR-03 & LIT-06 10/4/08; LIT-06 5/12/08).

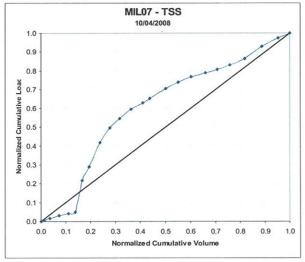
#### 5.3 FIRST FLUSH ANALYSIS

The pollutographs were used to analyze first flush trends during a storm event. The first flush phenomenon was evaluated by a dimensionless plot of the normalized cumulative pollutant mass versus the normalized cumulative runoff volume. Three of these graphs are presented in Figure 5-1; the complete set of graphs presented in Appendix C. A 45° line (1:1) plotted on each load graph indicates constant pollutant concentration throughout the storm event. A first flush phenomenon is indicated when the storm line is above the 45° line at the earlier stages of the storm event.

FIGURE 5-1 Normalized Pollutographs



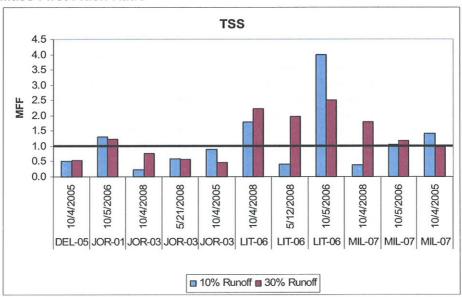


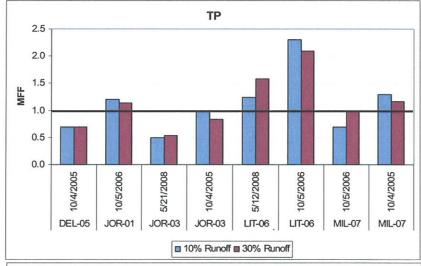


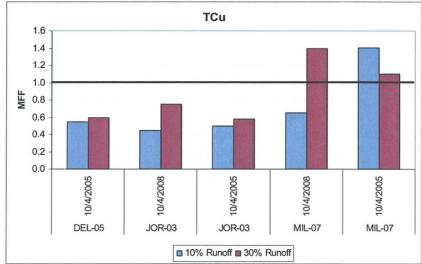
In order to quantify the strength of the first flush phenomenon, the mass first flush ratio was calculated for each load graph. The mass first flush ratio is the ratio of normalized cumulative pollutant mass to normalized cumulative runoff volume at selected fractions of runoff volume. For this analysis, the mass first flush ratio was calculated at 10% and 30% runoff volume (0.1 and 0.3 normalized cumulative runoff volume). The methodology utilized herein is similar to that presented in M. Kayhanian and M. Stenstrom (2008). A higher ratio represents a greater first flush phenomenon; ratios above 1.0 represent the presence of a first flush. As shown in Figure 5-2, the presence of a first flush is variable with storms and stations. The following trends are noted:

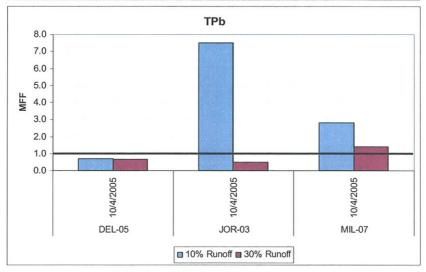
- DEL-05 did not exhibit a first flush
- · JOR-01shows a slight first flush
- JOR-03 typically did not show a first flush with the exception of the 2005 storm
- LIT-06 & MIL-07 typically had a first flush, although these were relatively small at MIL-07
- the greatest first flush occurred at LIT-06 for the 2006 storm event

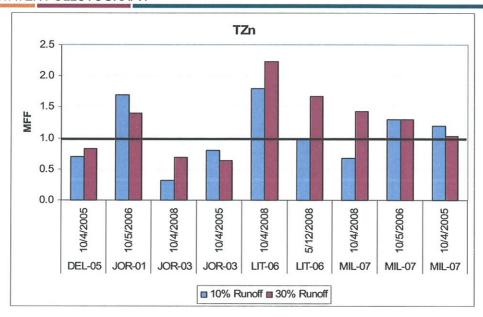
FIGURE 5-2 Mass First Flush Ratio











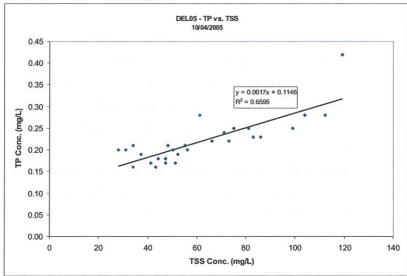
The first flush phenomenon in the storm event sampled was either not present or weak indicating that there may not be much benefit to treating the first part of the storm and bypassing the high flows. For example, in order to achieve an 80% pollutant removal efficiency, most likely 80% of the runoff volume would need to be treated by the BMP.

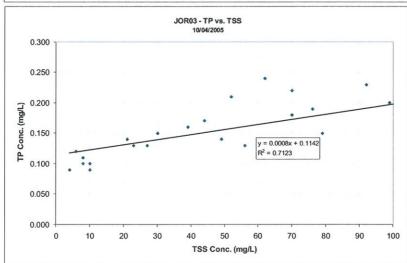
This lack of a clear first flush follow similar results from other studies. A study conducted in North Carolina, (Tucker, 2007), found a "high inconsistency in the occurrence of the first flush effect...". It was further stated that this is consistent with other research regarding the first flush phenomenon. Another study conducted by A. Taebi and R. L. Droste (2004), indicated a relatively weak first flush for some parameters, no correlation for some, and an increase in the first flush load of TSS when the intensity and duration of a storm event increases. However, a study conducted by CALTRANS (2005), identified several types of first flushes for highway sites; all indicating the "discharge of greater concentrations or mass in the early part of a storm event" with the exception of a seasonal first flush (first flush types analyzed were PAH, Litter, Particle and Seasonal). Therefore, the County's data and lack of a strong first flush occurrence is not unprecedented.

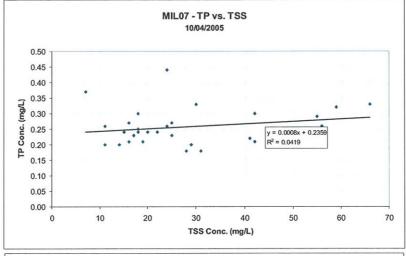
#### 5.4 TSS AND TOTAL PHOSPHORUS RELATIONSHIP

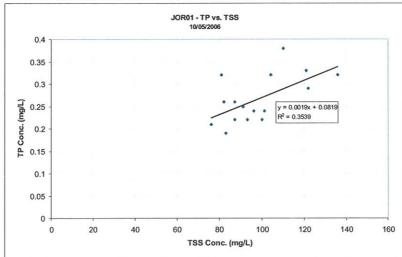
An analysis of the relationship between TSS and total phosphorus (TP) data obtained for the pollutographs was conducted. The purpose was to investigate the general assumption that much of the phosphorus present in stormwater is adsorbed to solids. A linear regression analysis was performed in order to identify if there was any correlation between TSS and TP concentrations. The results from this analysis are presented in Figure 5-3. Data from 2008 was not included in this analysis due to the high detection level for phosphorus during this sampling event.

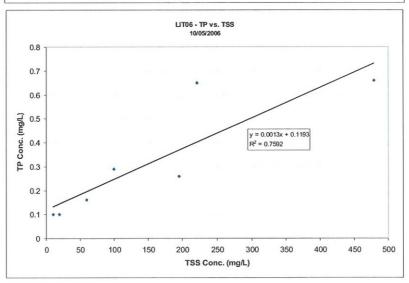
FIGURE 5-3 TP vs TSS Trend Analysis

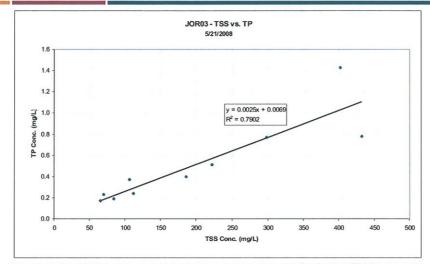


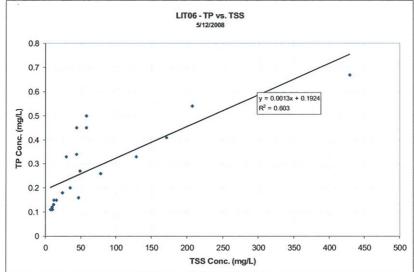


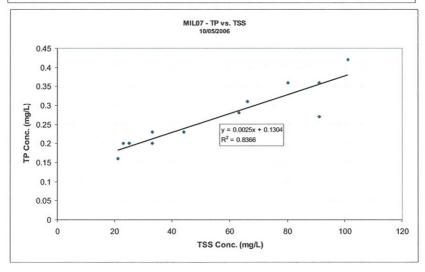












The following trends are noted from the graphs in Figure 5-3:

- In all cases, the TP concentration increased with the TSS concentration; the slope varied from 0.0008 to 0.0027 TP to TSS concentration.
- The strength of the correlation was generally strong, with the exception of MIL-07 for the 10/04/2005 storm, which was very poor.

The correlation between TSS and TP is fairly strong; therefore, there is most likely a benefit to targeting TSS removal in BMPs in order to lower TP stormwater loads.

Table 6.5: Data Results from "Dry weather" and "Storm" Sampling Event (Next 3 pages)

T di	ble 6.5: Data Results from "Di	l y weathe	anu	Storm Sampling L	Verit (	INCXL	paye	3)	1	1		ı				<u> </u>		<u> </u>			1						[
Site No.	Notes: 1) ND = Non-detect. 2) Numbers in red exceed 3) Blue color fields denote sampling that was done irrigation water was in t 4) The samples shown on t were taken during a sto water was in the canals  Description	"dry weatl in the sprii the canals. he white ro rm in Augus	her" baseling before	table	BOD <sub>5</sub> (mg/l)	COD (mg/l)	Nitrate + Nitrite as N (mg/l)	Nitrate as N (mg/l)	Nitrite as N (mg/I)	Total Ammonia Nitrogen (NH <sub>3</sub> ) (mg/l)	Total Nitrogen (TN) (mg/l)	Total Kjeldahl Nitrogen (TKN) (mg/l)	Phosphate, Ortho as PO4 (mg/l)	Total Phosphorus (TP) (mg/l)	Oil & Grease (mg/l)	Hd	Hardness (as CaCO <sub>3</sub> ) (mg/l)	Total Dissolved Solids (TDS) (mg/l)	Total Suspended Solids (TSS) (mg/l)	Cadmium, Total (mg/l)	Calcium, Total (mg/l)	Copper, Dissolved (mg/l)	Lead, Dissolved (mg/l)	Magnesium, Total (mg/l)	Zinc, Dissolved (mg/l)	E. coli (org/100 mL)	Conclusions
	2000.19000.			linimum Reporting Limit	5	10	0.1	0.1	0.02	0.2	0.3	1	0.01	0.01	5	0.5	1	5	4	0.005	0.2	0.005	0.02	0.2	0.01		
				Acceptable Limits	5			4		5.73			0.05	0.05		6.5 - 9.0		1200		0.25		0.009	0.0025		0.12	126	
1	Swift Slough /Benson Canal (Approximately 1700 W. 3000 N. at the diversion that splits water out of the canal down the Swift Slough)	4/1/08	10:30		8	ND		1.2	ND	ND	1.2	ND	0.05	0.11	ND	8.05	356	552	26	ND	58.9	ND	ND	50.7	ND	9	
1	Swift Slough /Benson Canal	8/31/0 8	18:40	Sample may have been taken before runoff reached this site.	ND	ND	0.1			ND	0.1	ND	0.04	0.02	ND	8.31	179	236	7	ND	40.1	ND	ND	19.2	ND	370	E. Coli is most likely coming from animal waste
2	Logan Northwest Field Canal (200 W. 1500 N. on the west side of 200 West Street)	4/1/08	12:04	Canals split into 2 channels again	10	ND		0.8	ND	ND	0.8	ND	0.02	0.05	ND	7.29	337	684	6	ND	45.7	ND	ND	54.2	ND	12	
2	Logan Northwest Field Canal	8/31/0 8	16:50	Before runoff reached site	ND	ND	ND			ND	ND	ND	ND	0.01	ND	8.45	186	204	ND	ND	44.5	ND	ND	18.1	ND	190	E. Coli is most likely coming from animal waste on the banks of the canal
2	Logan Northwest Field Canal	8/31/0 8	18:05	Time laps after rain had started	21	86	0.5			0.7	2.5	2	0.81	0.16	ND	8.07	158	238	46	ND	38.8	0.007	ND	14.9	0.03	690	E. Coli is most likely coming from animal waste on the banks of the canal
3	Twin Canals (400 E. 1500 N.)	3/31/0 8	16:15	Near some town homes, in front of Cache County Bible	ND	ND		2.1	ND	ND	2.1	ND	0.02	0.05	11	7.96	413	1020	7	ND	75.0	ND	ND	54.7	0.01	12	No limits exceeded
3	Twin Canals	8/31/0 8	17:15		ND	ND	0.1			ND	0.1	ND	ND	0.01	ND	8.34	183	208	ND	ND	44.6	ND	ND	17.5	ND	56	No limits exceeded

Site No.	Notes: 1) ND = Non-detect. 2) Numbers in red exceed 3) Blue color fields denote sampling that was done irrigation water was in the samples shown on twere taken during a stowater was in the canals  Description	"dry weath in the sprir the canals. he white ro rm in Augus	her" baseling before	table	BOD <sub>5</sub> (mg/l)	COD (mg/l)	Nitrate + Nitrite as N (mg/l)	Nitrate as N (mg/l)	Nitrite as N (mg/I)	Total Ammonia Nitrogen (NH <sub>3</sub> ) (mg/l)	Total Nitrogen (TN) (mg/l)	Total Kjeldahl Nitrogen (TKN) (mg/l)	Phosphate, Ortho as PO4 (mg/l)	Total Phosphorus (TP) (mg/l)	Oil & Grease (mg/l)	전	Hardness (as CaCO <sub>3</sub> ) (mg/l)	Total Dissolved Solids (TDS) (mg/l)	Total Suspended Solids (TSS) (mg/l)	Cadmium, Total (mg/l)	Calcium, Total (mg/l)	Copper, Dissolved (mg/l)	Lead, Dissolved (mg/I)	Magnesium, Total (mg/l)	Zinc, Dissolved (mg/l)	E. coli (org/100 mL)	Conclusions
				linimum Reporting Limit	5	10	0.1	0.1	0.02	0.2	0.3	1	0.01	0.01	5	0.5	1	5	4	0.005	0.2	0.005	0.02	0.2	0.01		
				Acceptable Limits	5			4		5.73			0.05	0.05		6.5 - 9.0		1200		0.25		0.009	0.0025		0.12	126	
4a	Logan and Northern Canal A (Approx 1000 E. 1400 N. on the canal a couple of hundred feet north of 1400 North Street by USU Poisonous Plant Research area)	3/31/0 8	15:05	An oil sheen was seen on the water surface during the collection of these samples	ND	28		2.1	ND	ND	2.1	ND	ND	0.06	9	7.96	356	3620	21	ND	66.5	ND	ND	46.0	ND	10	Oils are being added to the water somewhere up stream of this site.
4a	Logan and Northern Canal A	8/31/0 8	17:30		ND	15	0.2			ND	0.2	ND	0.03	0.06	ND	8.19	190	214	12	ND	47.2	ND	ND	17.6	ND	230	E. Coli is most likely coming from animal waste on the banks of the canal
4b	Logan and Northern Canal B (Concrete pipe that discharges into the Logan & Northern Canal from the southeast bank of the canal just north of 1400 North	8/31/0 8	17:45	A Sample was taken at this location during the storm because the flows from the pipe looked dirty.	76	373	0.9			1.6	7.9	7	0.35	1.00	ND	7.56	255	304	420	ND	68.1	0.01	ND	20.6	0.03	490	Entities that contribute storm water flows to this location are adding some pollutants.
5	Crockett Diversion (Approx.1000 E. 250 N. where the canal splits off the Logan River along the south side of River Hollow Park)	4/1/08	14:17	upstream of Logan City runoff contributions	ND			0.1	ND	ND	0.1	ND	ND	ND	ND	8.42	193	204	ND	ND	47.2	ND	ND	18.3	ND	1	No limits exceeded.
5	Crockett Diversion	9/1/08	13:45	Upstream of Logan City runoff contributions	ND	ND	0.1			ND	0.1	ND	ND	0.01	ND	8.28	178	210	ND	ND	44.1	ND	ND	16.4	ND	57	No limits exceeded
6	Spring Creek (1200 S. Legrand Street on the downstream side of the culvert that crosses under 1200 South by Family	3/31/08	13:30	Upstream of Logan City runoff contributions	ND	ND		1.9	ND	ND	1.9	ND	ND	0.03	ND	7.85	341	886	8	ND	74.4	0.009	ND	37.6	ND	9	Upstream gas stations/cars may be contributing metals.

Site No.	Notes: 1) ND = Non-detect. 2) Numbers in red exceed 3) Blue color fields denote sampling that was done irrigation water was in the samples shown on the were taken during a stowater was in the canals  Description	"dry weat in the spri he canals. he white ro rm in Augu	her" basel ng before ows of the	table	BOD <sub>5</sub> (mg/l)	COD (mg/l)	Nitrate + Nitrite as N (mg/l)	Nitrate as N (mg/l)	Nitrite as N (mg/l)	Total Ammonia Nitrogen (NH <sub>3</sub> ) (mg/l)	Total Nitrogen (TN) (mg/l)	Total Kjeldahl Nitrogen (TKN) (mg/l)	Phosphate, Ortho as PO4 (mg/l)	Total Phosphorus (TP) (mg/l)	Oil & Grease (mg/l)	Hd	Hardness (as CaCO <sub>3</sub> ) (mg/l)	Total Dissolved Solids (TDS) (mg/l)	Total Suspended Solids (TSS) (mg/l)	Cadmium, Total (mg/l)	Calcium, Total (mg/l)	Copper, Dissolved (mg/l)	Lead, Dissolved (mg/I)	Magnesium, Total (mg/l)	Zinc, Dissolved (mg/l)	E. coli (org/100 mL)	Conclusions
	·		N	linimum Reporting Limit	5	10	0.1	0.1	0.02	0.2	0.3	1	0.01	0.01	5	0.5	1	5	4	0.005	0.2	0.005	0.02	0.2	0.01		
				Acceptable Limits	5			4		5.73			0.05	0.05		6.5 - 9.0		1200		0.25		0.009	0.0025		0.12	126	
	Dollar)																										
<b>7</b> a	Blacksmith Fork South (Approx. 200 W, 300 N Main Street, Nibley where the river crosses under HWY 165)	4/1/08	16:00	Upstream of Logan City runoff contributions. South Side of River. Jars were dipped for these samples	7	ND		0.2	ND	ND	0.2	ND	ND	0.01	ND	8.31	209	240	ND	ND	51.0	ND	ND	19.9	ND	3	Dip method may have influenced results. Not the same on the South side of the river as the North side of the river.
7b	Blacksmith Fork North (Approx. 200 W, 300 N Main Street, Nibley where the river crosses under HWY 165)	4/1/08	16:05	Upstream of Logan City runoff contributions. North side of River	ND			0.2		ND	0.2	ND		0.01	ND	8.36			4	ND	51.8	ND	ND	20.2	ND	5	No limits exceeded
8	Logan River (2200 W. 600 South where river crosses 600 South)	4/2/08	11:36		5	ND		0.3	ND	ND	0.3	ND	ND	0.01	ND	8.16	217	260	4	ND	52.6	ND	ND	20.8	ND	39	Water leaving City has a BOD at acceptable levels. Other pollutants seem to have been diluted or dispersed.

# **Inventory of Construction Sites**

Maintain Records of all Projects disturbing greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale. These records are to be kept for five years or until construction is completed whichever is longer. Records to be filed Include: Site plan reviews, SWPPP, Inspection and enforcement actions, Stop work orders, warning letters, notices of violation, and other enforcement records.

Construction Site Name	Location	Description	Contact person and number	Begin Date	End Date 5 year mark	Documentation filed

# Outfall Inventory

City:

Unique Identifier	Location of outfall	Description	Scheduled Dry Weather Screening	Actual Date Completed	Observations Made