

UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES)
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
ANNUAL REPORT FORM

RECEIVED

OCT 01 2008

DIVISION OF
WATER QUALITY

Reports are to be sent to:

Utah Division of Water Quality
Attn: UPDES Municipal Storm Water Program
288 North 1460 West
P.O. Box 144870
Salt Lake City, UT 84114-4870

Annual reports are due no later than three months from the end of the fiscal year for the reporting MS4. The following form is required and must be signed and certified in accordance with requirements in the MS4's permit under Part 1. of this form.

1. MS4 Information

City of Logan

Name of MS4

Bill Young

Name of Contact Person

byoung@loganutah.org

Email Address

(435) 716-9152

Telephone (including area code)

255 N. Main

Mailing Address

Logan

UT

84321

City

State

ZIP code

What is the current population of your MS4? 48,000

What is the reporting period for this annual report? From July 1, 2007 to June 30, 2008

Certification Statement:

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.

Bill Young

Signature

9/30/08
Date

Bill Young

Name (printed)

City Engineer

Title



DWQ-2008-001648
Document Date: 09/30/2008

2. Water Quality Priorities

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

A list of draft, approved and pending (Total Maximum Daily Load) TMDLs as well as in-progress TMDL water quality studies can be found at <http://www.waterquality.utah.gov/TMDL/index.htm>.

- B. If yes, identify each impaired water, the impairment(s), whether a TMDL has been approved by EPA for each, and whether the TMDL identifies your MS4 as a source of the impairment.

Impaired Water	Impairment	Approved TMDL		MS4 Identified as source of impairment	
<u>Cutler Resivoir</u>	<u>Low Disolved Oxygen</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

- C. What specific sources of these pollutants of concern are targeted?

Phosphorus

- D. Do you have discharges to any high-quality waters (e.g., Category 1 or Category 2 as defined in Utah Administrative Code R317-2-3)? Yes No
- E. Are you implementing additional specific provisions to ensure their continued integrity? Yes No

3. Public Education and Public Participation

- A. Is your public education program targeting specific pollutants and sources of those pollutants? Yes No
- B. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program?

Provided 5 training sessions to address illicit dishcarges and construction BMP's

- C. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.

1. City Staff and Contractors who attended training are calling to report suspicious dicharges.

2. Improved compliance on construction sites with Best Management Practices called for in SWPPP.

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

4. Construction

- A. Do you have an ordinance or adopted policies (*If the ordinance was adopted or updated during this reporting period, then a copy of the ordinance should be attached to this report*) stipulating:

Erosion and sediment control requirements?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other construction waste control requirements?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requirement to submit construction plans for review?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
MS4 enforcement authority?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

- B. What is the threshold for construction storm water plan review? (e.g., all projects, projects disturbing greater than one acre, etc. All new developments approved by Planning and Zoning regardless of size.

- C. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? 81 How many of these sites did you inspect this reporting period? All

- D. How many active construction sites disturbing less than one acre were there in your jurisdiction this reporting period?
19 How many of these sites did you inspect this reporting period? All
- E. How many of these active sites did you inspect this reporting period? All
- F. On average, how many times each, or with what frequency, were these sites inspected Weekly
 (e.g., weekly, monthly, etc.)?
- G. Do you prioritize certain construction sites for more frequent inspections? Yes No
 If Yes, based on what criteria? Based on Initial and following site visits in which violations have been identified. Additional visits continue until issues are resolved.
- H. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:
- | | | | |
|---|-----------------------------|------------|--|
| <input checked="" type="checkbox"/> Yes | Notice of violation | # <u>4</u> | No Authority <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Administrative fines | # _____ | No Authority <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Yes | Stop Work Orders | # <u>1</u> | No Authority <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes | Civil penalties | # _____ | No Authority <input type="checkbox"/> |
| <input type="checkbox"/> Yes | Criminal actions | # _____ | No Authority <input type="checkbox"/> |
| <input type="checkbox"/> Yes | Administrative orders | # _____ | No Authority <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Yes | Other <u>Notified State</u> | # <u>2</u> | |

DEQ

- I. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions of active construction sites in your jurisdiction? Yes No
- J. What are the 3 most common types of violations documented during this reporting period?
1. Improper or missing SWPPP inspection documentation.
 2. Poor construction BMP maintenance.
 3. Inadequate SWPPP being submitted with design review packages.

5. Illicit Discharge Elimination

- A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? Yes No
- B. Have you completed a map of all storm drain pipes of storm sewer system? Yes No
- C. How many outfalls have you identified in your system? 51
- D. How many of these outfalls have been screened for dry weather discharges? 26
- E. How many of these have been screened more than once? 26
- F. What is your frequency for screening outfalls for illicit discharges? As called regarding suspicious flows and periodic stops by storm water inspector.
- G. Do you have an ordinance that effectively prohibits illicit discharges? (If the ordinance was adopted or updated during this reporting period, then a copy of the ordinance should be attached to this report). Yes No
- H. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? 7
- I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? 7

6. Storm Water Management for Municipal Operations

- A. Have storm water pollution prevention plans (or an equivalent plan) been developed for:
 - All parks, ball fields and other recreational facilities 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
- B. Are storm water inspections conducted at these facilities? Yes No
 If Yes, at what frequency are inspections conducted? monthly
- C. Have standard operating procedures or BMPs been developed for all MS4 field activities? (e.g., road repairs, catch basin cleaning, landscape management, etc.) Yes No
- D. Do you have a prioritization system for storm sewer system and permanent BMP inspections? Yes No
- E. On average, how frequently are catch basins and other inline treatment systems inspected? annually
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? Cleaned at least annually. The City has others associated with irrigation/storm water that are critical and are cleaned daily during the irrigation season.
- G. Do municipal employees in all relevant positions and departments receive comprehensive training on storm water management? Yes No
- H. If yes, do you also provide regular updates and refreshers? Yes No
 If so, how frequently and/or under what circumstances? Key staff receive training at events such as Storm Con, APWA Fall Conference, Utah City Engineers Association, CEISIC Inspector Training, Flood Plain Managers Conf., etc. This information is then taught to City staff who perform work related to construction and maintenance activities on an annual basis.

7. Post-Construction Storm Water Management in New Development and Redevelopment

- A. Do you have an ordinance or other mechanism to require:
 - Site plan reviews of all new and re-development projects? Yes No
 - Maintenance of storm water management controls? Yes No
 - Retrofitting? Yes No
- B. What is the threshold for new/redevelopment storm water plan review? (e.g., all projects, projects disturbing greater than one acre, etc.)
All new construction is reviewed and a Storm Water Pollution Prevention Plan is required for all projects disturbing greater than one acre. An erosion control plan must be submitted for all disturbances less than one acre. In all cases of industrial and commercial development, onsite detention/retention of a 100 year/1 hour storm event is required. For residential development, detention/retention for a 100 year/1hour storm event must be provided.
- C. Do you have either design standards or performance standards for new and re-development (at least one acre and larger) that are required to be met? Yes No

- D. Have you adopted design standards/performance measures for new/redevelopment projects? Yes No
- E. Do these design standards/performance measures require that pre-development hydrology be met for:
 - Flow volumes Yes No
 - Peak discharge rates Yes No
 - Discharge frequency Yes No
 - Flow duration Yes No
- F. Please provide the URL/reference where all post-construction stormwater management standards can be found.

- G. How many development and redevelopment project plans were reviewed this year? 77
- H. How many were approved? 53
- I. How many permanent storm water management practices/facilities were inspected? 20
- J. How many were found to have inadequate maintenance? 16
- K. Of those, how many were notified and remedied within 90 days? (If window is different than 90 days, please specify) 16
- L. How many enforcement actions were taken? 0
- M. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? Yes No
- N. Do all municipal departments and/or staff (as relevant) have access to this tracking system? Yes No

8. Program Resources

- A. What was your annual expenditure to implement the requirements of your MS4 UPDES permit and SWMP this past reporting period? \$1,591,289.00
- B. What is next year's budget for implementing the requirements of your MS4 UPDES permit and SWMP? \$2,691,750.00
- C. Do you have an independent financing mechanism for your storm water program? Yes No
- D. If so, what is it/are they (e.g., storm water fees), and what is the annual revenue derived from this mechanism?
 Source: Storm Water Utility Amount \$3.50 per Equivalent Residential Unit
 Source: _____ Amount \$ _____
- E. How many FTEs does your municipality devote to the storm water program (specifically for implementing the storm water program vs. municipal employees with other primary responsibilities that dovetail with storm water issues)? 1
- F. Do you share program implementation responsibilities with any other entities? Yes No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism

9. Evaluating/Measuring Progress

A. What indicators do you use to evaluate the overall effectiveness of your storm water management program, how long have you been tracking them, and at what frequency? Not that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc? *(Please attach additional information if necessary)*

Indicator	Began Tracking (year)	Frequency	Number of Locations
<i>Example:</i> E. coli	2003	Weekly April–September	20
Storm Water Sampling	2008	During Storm Event	9
Storm Water Flows	2008	During Storm Event	9

B. What environmental quality trends have you documented over the duration of your storm water program? (If you have reports or summaries, you can either attach them electronically, or provide the URL to where they may be found on the Web.) Although this is not documented with flows or water quality samples, the City and canal companies within Logan have seen a visual improvement in storm water being discharged to major canals with in the City in both the quantity of storm water and the quality of storm water. The measures implemented this year will provide this documentation in the future.