



Watershed Semi-Annual Report for Reporting Year 2016

Doc Type: Semi-Annual Report

Please complete and submit to your project manager.

Reporting Period: January 1 through June 30 (Due August 1)
 July 1 through December 31 (Due February 1)

All information is required by the U.S. Environmental Protection Agency (EPA) and the Minnesota Pollution Control Agency (MPCA). Do not leave blanks (unless otherwise noted). This report form can be typed using your computer. Use the "tab" key to move through the fields of this form. Enter responses using text and check boxes as indicated. Keep a copy for your records.

I. General Report Information

1. Project title: Northwood Lake Water Quality Improvement Project
2. Project sponsor (Grantee): Bassett Creek Watershed Management Commission
3. Contact name: Laura Jester
4. E-mail address: laura.jester@keystonewaters.com
5. Funding: 319 CWP CWP Loan Clean Water Fund Other: _____
6. Contract number: 93185
7. MPCA Project Manager: Rachel Olmanson
8. Effective date (mm/dd/yyyy): 6/8/2015 Expiration date (mm/dd/yyyy): 6/30/2018

II. Semi-annual Report Information

1. Project activities completed during last six (6) months according to the program objectives or tasks (please be specific):

In August 2015, the BCWMC entered an agreement with the City of New Hope to design and construct the Northwood Lake Water Quality Improvement Project. The City and their consultant, Stantec, began project designs in August 2015. Work was completed on the objectives and tasks listed below.

Objective 1 Task A: Design Stormwater Reuse System and Raingardens - COMPLETE (Jan 2016)

Objective 1 Task B: Design Stormwater Treatment Pond West of Northwood Lake - COMPLETE (Jan 2016)

Objective 2: Construct water reuse system and raingardens

On March 8, 2016, the City of New Hope held a preconstruction meeting with the contractor, Northdale Construction Company to discuss the project and schedule. Construction of most phases (shown as tasks below) began later in March. The City of New Hope posts weekly updates and photos of the progress and current construction activities on its website at: <http://www.ci.new-hope.mn.us/departments/publicworks/2016infrastructure.shtml>. (Please note the updates include information on adjacent city projects that include utility work, road work, additional storm sewer work, and park upgrades.)

Objective 2 Task A: Redirect storm sewer and install treatment structure - NEARLY COMPLETE

Drainage flowing from the north of the project site was redirected through a new 36-inch storm sewer along the west side of Boone Ave. The new storm sewer was routed through a storm water treatment structure to capture course sediment as a means of pre-treatment of runoff prior to discharging to the underground storm water storage system. This work is nearly complete.

Objective 2 Task B: Install underground storage tank for water reuse - NEARLY COMPLETE

Excavation for the stormwater reuse tank on the corner of Boone Ave. and Ensign Ave. began in April 2016. A concrete base and concrete walls were poured and completed in May. The roof of the structure was completed and it was buried in June. Piping and electrical work will start in July.

Objective 2 Task C: Install water reuse piping and pump house for irrigation - BEGINNING

Piping and pumping mechanisms were partially installed so that storm water in the storage tank can be used for irrigating adjacent ball fields.

Objective 2 Task D: Install overflow raingardens and construct curb cut - BEGINNING

Raingarden excavation began in June 2016. These raingardens will be constructed to receive overflows from the water reuse system during large events when runoff volumes exceed storage capacity. A curb cut on Ensign Avenue will also direct street drainage into the raingardens.

Objective 3 Task A: Construct storm water treatment pond west of Northwood Lake - NEARLY COMPLETE

Excavation of the treatment pond was completed in May 2016. Erosion control blanket was installed and the area was seeded in June.

Objective 5 Task A: Provide project management and administration - ONGOING

The BCWMC Administrator worked to manage the grant and coordinate certain components of the project including tracking project progress, and reporting progress to the Bassett Creek Watershed Commissioners.

Objective 5 Task B: Provide technical review of project - COMPLETE (May 2016)

Objective 5 Task C: Perform grant reporting and invoicing - ONGOING

The BCWMC Administrator completed and submitted the grant report due February 1, 2016.

2. List all products (documents, pamphlets, videos, maps, etc.) produced in this reporting period:

100% Final Project Designs.

Bid documents and construction contract.

Weekly updated New Hope webpage noting current construction activities (which also includes updates on adjacent, related projects): <http://www.ci.new-hope.mn.us/departments/publicworks/2016infrastructure.shtml>

BCWMC webpage dedicated to the project: <http://www.bassettcreekwmo.org/index.php?cID=228>

Bassett Creek Watershed Tour handout with this project site included as "stop #4": http://www.bassettcreekwmo.org/application/files/7614/6807/0436/2016_Bassett_Creek_Tour_Handout.pdf

3. Challenges faced (optional):

Construction bids came in higher than expected but Clean Water Fund grant from BWSR was also received during this reporting period. Due to these changes, the BCWMC amended its agreement with the City of New Hope.

4. Summary of monitoring data collected (if applicable):

Water quality data are being collected on Northwood Lake in 2016. Results are not yet available.

4a. Have all monitoring stations been established in EQUIS? Yes No N/A

4b. Are the data being routinely submitted for storage into EQUIS? Yes No NA

If yes, last submittal date (mm/dd/yyyy): _____

5. Are the Best Management Practices data being annually entered into eLINK)? Yes No N/A

If yes, date last entered (mm/dd/yyyy): _____

6. Describe specific (quantifiable, if possible) results achieved during this period:

The project design was finalized. Construction of most project components is nearly complete. The project has been implemented on time. Pollutant load reductions will be available once the project is fully constructed.

Phosphorus Load Reduction: NA lbs./year

Nitrogen Load Reduction: NA lbs./year

Sediment Load Reduction: NA lbs./year

7. Did the MPCA execute a change order or amendment for this project during this reporting period? No Yes

If yes, summarize those changes:

8 List anticipated program objectives or tasks to be completed during the next six (6) months please be specific):

Construction of all project components will be completed.

III. Expenditure Information for this Period

Provide a copy of your work plan budget showing cumulative expenditures and budget balances by work plan objective and task. Also, fill out the summary below.

Expenditure Report attached

Complete the table below:	Amount
Total Grant Amount	\$300,000
Total Match Amount (if applicable)	\$1,052,000
Total Project Amount	\$1,352,000
Grant Expenditures this period	\$89,894.55
Match Expenditures this period (if applicable)	\$808,605.23
Cumulative Grant Expenditures to date	\$94,932.80
Cumulative Match Expenditures to date (if applicable)	\$892,090.07
Total Cumulative Expenditures to date	\$987,022.87

Date form completed (mm/dd/yyyy): 07/22/2016