Item 6Fii.
BCWMC 2-19-15

Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

2015 CWP Application Form

Minnesota Clean Water Partnership (CWP)
Nonpoint Source Pollution Project

Doc Type: Application

- **Before submitting the application form, review the 2015 Clean Water Partnership (CWP) Grant and Loan Program Notice of Grant Opportunity (NGO).**
- **This form must be submitted electronically as per instructions listed in Section IX of the NGO.**

Project Classification

Select whether the project will be a protection or restoration project. It may be both. Protection and restoration are defined in Section IV of the NGO.

Check project category: ☐ Protection ☒ Restoration ☐ Both

Project Title

Keep the title descriptive and **short**. You will be using it many times. It should include the water body name (if applicable) and the type of activity. There is a **maximum** of 50 characters, including spaces. *(Examples: Lake Smith Diagnostic Study; Brown Creek Implementation Project)*

Project title: Northwood Lake Water Quality Improvement Project

Sponsoring Organization

Sponsoring organization (See Section III of NGO for applicant eligibility):

Bassett Creek Watershed Management Commission

Primary contact person (The primary contact person is the person who can be contacted for additional information):

Laura Jester, Administrator c/o Keystone Waters

Street address: 16145 Hillcrest Lane

City: Eden Prairie State: MN Zip: 55346

Phone: 952-270-1990 Fax: None Email: laura.jester@keystonewaters.com

Project Budget Projection

State the amount of the grant and/or loan funds requested, the total match (both cash and in-kind) you and your partners will be providing. Remember, local match is a financial commitment made by the grant recipient and other local agencies to help with the success of the project.

Grant funds requested: $300,000

Loan funds requested $0

Match funds, including cash and in-kind services: $1,052,000

Total project cost (sum of other 3 lines)**:** **$1,352,000**

Project Location

You must include all project location information that is applicable. Be sure to select a basin. If applicable, attach a map of the application area.

Major watershed: Mississippi River - Twin Cities 8-digit Hydrologic unit code: 07010206

Sub-watershed: Bassett Creek Watershed Hydrologic unit code: 27-0627-00 GPS location:

What type of **water body** does it affect? (check all that apply)

☒ Stream ☒ Lake ☐ River ☐ Groundwater ☐ Other

Water body name(s): Northwood Lake, North Branch Bassett Creek

Basin (check all that apply):

☐ Lake Superior ☐ Lower Mississippi/Cedar ☒ Upper Mississippi ☐ Minnesota ☐ Rainy
☐ Red River ☐ Des Moines ☐ Missouri ☐ St. Croix

Is the water of concern a drinking water source? ☐ Yes ☒ No

Project Plan Information

If applicable, include web address, page numbers and effective dates from any local or regional water plans relating to this project. If a MPCA-approved Total Maximum Daily Load (TMDL) Implementation Plan is applicable, please include the appropriate information.

Comprehensive Local Water Plan: City of New Hope Local Water Management Plan

MPCA-approved TMDL Implementation Plan:

Other plans that refer to this project work: 2004 Bassett Creek Watershed Management Plan, as amended in 2015

Project Summary Information

Your responses will be used by the Minnesota Pollution Control Agency (MPCA) for scoring criteria. Responses to the following six questions may not exceed three pages.

What is condition of the water body(ies) being addressed?

What is the water body type and location? Is the water of concern of state and regional significance and priority? How so? Is the water(s) of concern currently meeting beneficial uses and known to be not impaired? What are water uses and impairments? Describe specific problems and identify pollution sources. How are the water body concerns addressed in the local and/or basin water plans? What specific water quality concerns will this project address?

Northwood Lake is located along the North Branch of Bassett Creek in the City of New Hope immediately east of Highway 169). It has a water surface area of 15 acres (6.1 hectares), a maximum depth of 5 feet (1.5 meters), and a mean depth of 2.7 feet (0.8 meters). The lake's watershed area is approximately 1,341 acres (543 hectares) and lies within fully developed areas of th cities of Plymouth and New Hope. The Northwood Lake shoreline is developed with single family homes and a popular community park. The lake is used for aesthetic viewing and canoeing.

Northwood Lake is included on theState's Impaired Waters List (303(d) list) due to high nutirents. Pollutants enter the lake from the fully developed watershed, much of which has little or no stormwater treament. In addition to phosphorus, pollutants include bacteria, solids, chlorides, PAHs, and other toxins.

This project will address stormwater runoff and its associated pollutants through the implementation of best management practices iincluding 1) the redirection of storm sewer on Boone Avenue to capture and treat currently untreated stormwater from 90.8 acres of residential area; and installation of a storm water treatment structure, underground storage tank and water reuse for ball field irrigation, rain gardens, sump structure, curb cut, and emergency overflows; and 2) the construction of a wet ponding basin in a green space area between Trunk Highway 169 and Jordan Avenue to treat currently untreated storm water runoff from 19.4 acres of rear yard areas and Jordan Avenue draining from the south before discharging into an existing storm sewer pipe tributary to Northwood Lake. .

What are the expected water quality benefits of this project?

What water quality outcomes will be achieved because of this project? How does the proposed project maximize water quality protection or restoration of the water of concern in the project area? What are specific environmental, administrative, and social behavior outcomes?

According to the 2015 Feasibility Study, this project is expected to remove 22 pounds of phosphorus per year in addition to other pollutants associated with stormwater runoff and snowmelt. Additional benefits of the project include water conservation due to the use of storage and use of stormwater as irrigation water for adjacent ballfields. It's estimated that XX gallons of drinking water will be conserved annually due to irrigation using stormwater captured through this project.

If applicable – How will the proposed project facilitate the adoption of the best management practices (BMPs) by the community in the project area and how does the proposed project use technically feasible BMPs to abate or prevent non-point source pollution?

Specify and summarize what water quality data or other information on which you are relying. In addition to data and information that you have, in some cases data may be available from the Environmental Data Access system at: http://www.pca.state.mn.us/data/eda/index.cfm) defines water quality outcomes that will be achieved.

The Bassett Creek Watershed Management Commission and local residents have been monitoring and collecting data on Northwood Lake since 1972. The latest monitoring data showed…..

Describe your project. Be sure to demonstrate a clear understanding of work to be done and high potential for project success.

What key activities will need to be taken to accomplish the work and in what timeframe? Demonstrate that the project plan is thoroughly developed and based on water quality standards. Describe staff, collaborator, and/or subcontractor qualifications to do the work. Who will manage project activities? Do you have experience doing this type of work? Is there an education and outreach component to communicate project results to citizens, local managers, and decision makers? *If applicable* – How will the project help select the proper BMP or combination of BMPs for the project area? Will the project develop BMPs focused on key sources of non-point source pollution?

The Feasibility Study for the Northwood Lake Improvement Project provides an overview of the practices and structures that would be implemented through this project which include 1) the redirection of storm sewer on Boone Avenue to capture and treat currently untreated stormwater from 90.8 acres of residential area; and installation of a storm water treatment structure, underground storage tank and water reuse for ball field irrigation, rain gardens, sump structure, curb cut, and emergency overflows; and 2) the construction of a wet ponding basin in a green space area between Trunk Highway 169 and Jordan Avenue to treat currently untreated storm water runoff from 19.4 acres of rear yard areas and Jordan Avenue draining from the south before discharging into an existing storm sewer pipe tributary to Northwood Lake.

What community and political support does your project have, and what is the likelihood that the proposed project will serve as a demonstration or provide useful information or examples for local, regional, or state efforts for nonpoint source pollution control?

What other local, state, federal water quality projects are going on in the area? How does the project coordinate with federal, state local agency, LGU, community organizations for water quality protection or restoration? Does the project have transferability statewide, within a multi-county area, or within its basin or to a similar hydrologic setting? To what other funding programs, and for how much, have you applied or do you plan to apply? How do you plan to sustain funding for administrative staffing beyond the term of this grant? Who from your community is involved in your project and how is community support demonstrated? Be specific. Which groups are involved and how will or do these groups work together? Describe previous work done together and the accomplishments. Who is the project lead? Who are stakeholders and what are partner roles, relationships, priorities and resources?

Innovatiive practices that will demonstrate to the residents and other cities….. Friends of Northwood Lake support, New Hope City Council support, dedication of BCWMC to improve waterbodies, etc…..

How will you quantitatively measure the success of your project?

What will be changed, by when, and by how much? What is your baseline data? Be sure to include water quality standards. What are your interim management measures? What do you predict to be water quality improvements by the end of the grant period? How will you measure whether desired outcomes have been achieved? How will success be measured in ways meaningful to citizens, local managers, and decision makers?

Discuss future BCWMC water quality monitoring here and other measures of success.

Please list what non-point source grant or loan projects you have managed since 2010, and whether projects were managed in accordance with the terms and conditions specified in the MPCA grant or loan agreement. If you have a record of poor performance with the state, you may provide an explanation below.

Budget Information

Remember to check your addition – both across and down – several times! Correct totals are a pass/fail criteria. Dollar amounts for the grant, loan, match and grand total must match the Project Budget Projection on page 1 of the application. Your application will be eliminated from further review if budget numbers do not match and/or budget math is incorrect.

Project expenditure budget

Complete the following table by listing the objectives that will comprise your project and estimated cost of each objective. The budget should address the cost of setting up monitoring stations, collecting monitoring data, reducing the data, public education, writing the diagnostic study and implementation plan, Best Management Practices (BMPs) activities, project administration, etc. Costs listed for each objective must be realistic.

For each objective, identify the task to be done, amount of grant and/or loan funds to be used for the task, and amount of match (local cash and in-kind) to be provided for the task. Add additional rows as necessary.

Objectives	Funding types				Total
	Grant	Local cash	In-kind	Loan	
1. Develop project plans					
2. Construct stormwater pond west of Northwood Lake					
3. Reroute existing storm sewer; construct underground stormwater storage and irrigation system and associated rain gardens					
4. Manage Project					
5.					
6.					
7.					
8.					

9.					
10.					
11.					
12.					
Total of program objectives:					**$1,352,000**

Project support budget

Complete the following sections for all the sources of grant, loan, match money, and in-kind contributions for your project. The match requirement must be no less than the amount of the grant. Add additional rows as necessary.

Identify each source of funding for the application. This includes the amount of grant and loan funds requested and the amount of local cash and inkind to be provided by each local, state, and federal contributing sponsor. The totals of the grant, loan, match, and grand total should agree with the Project Budget Projection on page 1 of the application and the Project Expenditure Budget. **MPCA staff or resources cannot be used as match.**

	Project costs		
Project sponsors	**Cash match contribution to project**	**In-kind match contribution to project**	**Total project support**
A. Project sponsor contribution			
B. Local contributing sponsors:			
1. Bassett Creek Watershed Management Commission	$846,000	$0	$846,000
2. City of New Hope	$206,000	$0	$206,000
3.			
4.			
5.			
6.			
7.			
B. Subtotal	$1,052,000		$1,052,000
C. State and/or federal contributing sponsors: (cannot be more than 20 percent of the total project costs.)			
8.			
9.			
10.			
11.			
12.			
13.			
C. Subtotal*	$0		$0
Total: All project sponsors' match (A+B+C)			
Grant amount requested (cannot exceed $300,000):	$300,000		$300,000
Loan amount requested (no maximum)		$0	$0
	Total cash	**Total in-kind**	**Total project cost**
Grand Totals	**$1,352,000**	**$0**	**$1,352,000**

Conflict of Interest

A conflict of interest occurs when any of the following conditions is present:

(a) An applicant or potential grantee uses his/her status to obtain special advantage, benefit, or access to the MPCA's time, services, facilities, equipment, supplies, prestige, or influence.
(b) An applicant receives or accepts money or anything else of value from another state grantee or grant applicant or has equity or a financial interest in or partial or whole ownership of a competing grant applicant organization.
(c) An applicant is an employee or board member of the MPCA or is an immediate family member of an employee or board member of the MPCA.
(d) An applicant or potential grantee is unable or potentially unable to render impartial assistance or advice to the State due to competing duties or loyalties.
(e) A grantee's objectivity in carrying out the grant is or might be otherwise impaired due to competing duties or loyalties.
(f) A grantee has an unfair competitive advantage through being furnished unauthorized proprietary information or source selection information that is not available to all competitors/applicants.

I certify that I have read and understand the description of conflicts of interest above and *(check one of the following two boxes):*

☒ Based on the criteria and description above, I do not have any conflicts of interest.

☐ Based on the criteria and description above, I have an actual or potential conflict of interest, or the appearance of a conflict of interest, which I am listing immediately below.

Name/Relationship and/or Description of the Conflict of Interest (attach additional page if needed):

Exceptions to Sample Grant Agreement

Please note any exceptions to the Sample Grant Agreement (Attachment B). Any suggestions for alternate language in the Sample Grant Agreement must be presented here. The State is under no obligation to accept wording changes submitted by the applicant.