

Minnesota Department of Natural Resources Division of Ecological & Water Resources



MNDNR PERMITTING AND REPORTING SYSTEM

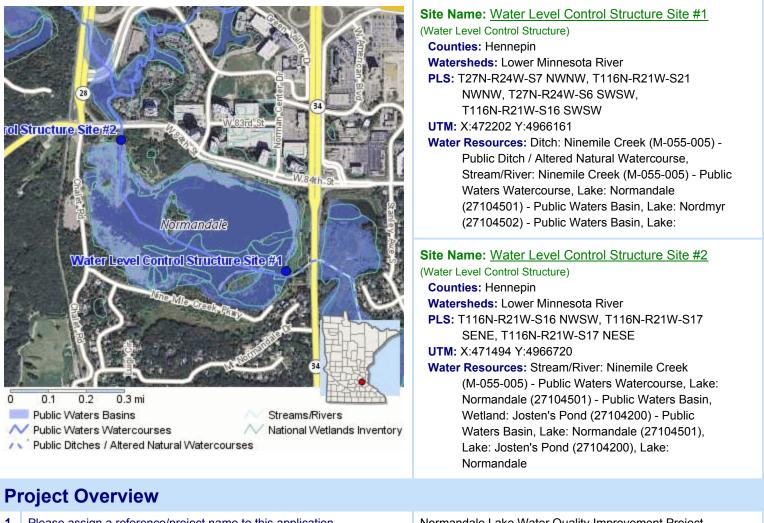
APP ID 18736

Public Waters Work Permit Application	Reference Number: 2018-2125
Date Submitted to DNR: June 1, 2018 at 6:05 PM	Application Reference Name: Normandale Lake Water Quality Improvement Project
DNR Lead Hydrologist: Jason Spiegel Area: Metro N Email: jason.spiegel@state.mn.us Phone: 651-259-5822	DNR Region: Central Region 3 Address: Minnesota Department of Natural Resources 1200 Warner Road St. Paul, MN 55106
<b>Parties</b> (Individuals and Organizations associated with the permit application)	
City of Bloomington - Landowner or Government Unit	Address: 1700 West 98th Street, Bloomington, MN 55431 Phone: 952-563-4557
<b>Shanna Braun -</b> Contact ( <i>representing Nine Mile Creek</i> <i>Watershed District</i> ) ( <i>submitted application</i> )	Address: 4300 MarketPointe Drive, Suite 200, Minneapolis, MN 55435 Phone: 952-842-3619 Email: sbraun@barr.com
<b>Randy Anhorn -</b> Contact ( <i>representing Nine Mile Creek</i> <i>Watershed District</i> )	Address: 12800 Gerard Dr, Eden Prairie, MN 55346 Phone: 952-835-2078 Email: ranhorn@ninemilecreek.org
Bryan Gruidl - Contact (representing City of Bloomington)	Address: 1700 West 98th Street, Bloomington, MN 55431 Phone: 952-563-4557 Email: bgruidl@bloomingtonmn.gov
Nine Mile Creek Watershed District - Agent	Address: 12800 Gerard Drive, Eden Prairie, MN 55346 Phone: 952-835-2078

# **Proposed Activity**

Water Level Control Structure

## Location and Water Resources (within 50 meters)



1	Please assign a reference/project name to this application.	Normandale Lake Water Quality Improvement Project
2	What is the main type of work you are proposing to do?	Work in or near a lake, wetland, or river/stream (e.g., excavate, place fill, install a structure in a waterbody, modify a dam)
3	When is the anticipated start date for the project?	08/01/2018
4	When is the expected completion date for the entire project?	03/31/2019
5	Briefly describe the overall project purpose and need.	The purpose of the proposed Project is to protect and improve the health of the native plant population and improve water quality of Normandale Lake by addressing concerns associated with a prevalence of curly-leaf pondweed in the lake and release of phosphorus from lake-bottom sediments (internal loading). Beneficiaries of the proposed Project include users of recreational trails surrounding the lake, Normandale Lake boaters/fishermen, and downstream waters in the Nine Mile Creek watershed.
6	Has any portion of the proposed work in wetlands or water areas already started?	No
7	Is this a transportation project sponsored by a government unit?	No

8	Will the project require any dewatering (the deliberate removal of water through the use of a pump, ditch, etc. to lower water levels to allow work to be accomplished)?	Yes
9	Will the removed water remain within its original source at all times (e.g., only pumped over the side of a coffer dam and never pumped off site to a holding pond)?	Yes
0	Has an Environmental Assessment Worksheet (EAW) or Environmental Impact Statement (EIS) been completed for the project, or will it be required?	Yes
1	Has the project gone through a Natural Heritage (endangered species) review?	Yes
12	Have you developed any mitigation plans for the portion(s) of the project that will impact public waters?	No
13	Describe TWO alternatives to the proposed project that were considered that would avoid or minimize impacts to public waters. One option may be "no build" or "do nothing".	<ol> <li>Do nothing; this option would not meet project goals.</li> <li>Use existing 18-inch bypass pipe to drawdown the lake; this option would take significantly longer to drawdown the lake (38 days) and modeling suggests that following rain and snowfall events, lake levels are highly likely to rebound above the target elevation of 804 feet with this option.</li> </ol>
14	Why did you choose to pursue the option proposed in this application over these alternatives?	The option to install a 36-inch bypass pipe to drawdown the lake was chosen because it would speed up the rate of lake drawdown, while providing permanent infrastructure for future drawdowns. This option also allows the drawdown to begin in late-summer 2018 with a temporary pump, which would minimize impacts to turtle populations in the area.
15	What is the project cost for the work that will be conducted in Public Waters? (estimate if unknown)	\$306,500.00

# **Activity Detail**

### Activity: Water Level Control Structure

How many different sites will have water level control structure work (i.e., the number of individual stream/river, ditch, lake, pond, pit, and/or wetland crossings or impact areas)? 2

Sit	ite #1 Name: Water Level Control Structure Site #1	
1	What is the purpose of the water level control structure work at this site?	Installing a new structure
2	What type of structure is proposed at this site?	Other (specify)
3	If other, please specify:	36" bypass pipe
4	Is the water level control structure sponsored by a governmental unit?	Yes
5	What is the proposed runout elevation of the structure in feet?	800.0 feet
6	Please choose the associated datum:	NAVD 1988
7	How many cubic yards of fill are proposed, if any?	40 cubic yards
8	If applicable, what is the size of the area to be filled?	645
9	Please choose units:	square feet

10Is11He ar12Is13Is14Pl ar15Is you16Se boo	<b>ivity Detail (</b> <i>Continued</i> <b>)</b> s the fill permanent or temporary? How many cubic yards of material are proposed to be excavated, if my? s the excavation permanent or temporary? s the structure part of a fish and wildlife management plan? Please upload engineered <u>construction plans</u> showing all existing and proposed water level control structures and conditions. s the proposed work consistent with the rules and regulations of	Permanent         0 cubic yards         Not applicable         No         Normandale_Lake_MPARS_Permit_combined_attachmen ts.pdf	
11Har ar12Is13Is14Plan ar15Is yc16Sebo	How many cubic yards of material are proposed to be excavated, if ny? Is the excavation permanent or temporary? Is the structure part of a fish and wildlife management plan? Please upload engineered <u>construction plans</u> showing all existing ind proposed water level control structures and conditions. Is the proposed work consistent with the rules and regulations of	0 cubic yards Not applicable No Normandale_Lake_MPARS_Permit_combined_attachmen	
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13Is14Plan15Is16SeboxSe	s the structure part of a fish and wildlife management plan? Please upload engineered <u>construction plans</u> showing all existing nd proposed water level control structures and conditions. s the proposed work consistent with the rules and regulations of	No Normandale_Lake_MPARS_Permit_combined_attachmen	
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15 Is your of the second secon	nd proposed water level control structures and conditions. s the proposed work consistent with the rules and regulations of		
16 Se bo			
bo	our Ditch Authority?	Yes	
<b>17</b> C	Select the resource(s) below that describes the type of water odies that could be impacted at this site.	stream/river, ditch, wetland, lake	
	Counties	Hennepin	
<b>18</b> W	Vatersheds	Lower Minnesota River	
<b>19</b> PI	PLS	T27N-R24W-S7 NWNW, T116N-R21W-S21 NWNW, T27N-R24W-S6 SWSW, T116N-R21W-S16 SWSW	
<b>20</b> U	JTMXY	X:472202 Y:4966161	
21 W	Vater resources	Ditch: Ninemile Creek (M-055-005) - Public Ditch / Altered Natural Watercourse, Stream/River: Ninemile Creek (M-055-005) - Public Waters Watercourse, Lake: Normandale (27104501) - Public Waters Basin, Lake: Nordmyr (27104502) - Public Waters Basin, Lake: Normandale (27104501), Lake: Normandale\Nordmyr (27104500), Lake: Nordmyr (27104502), Wetlands: National Wetland Inventory (quantity = 8)	
	Attachment(s):       Normandale_Lake_MPARS_Permit_combined_attachments.pdf         Site #2 Name:       Water Level Control Structure Site #2		
	Vhat is the purpose of the water level control structure work at nis site?	Installing a new structure	
<b>2</b> W	Vhat type of structure is proposed at this site?	Other (specify)	
3 If	other, please specify:	Earthen berm	
	s the water level control structure sponsored by a governmental nit?	Yes	
5 W	Vhat is the proposed runout elevation of the structure in feet?	807.8 feet	
<b>6</b> PI	Please choose the associated datum:	NAVD 1988	
7 H	low many cubic yards of fill are proposed, if any?	94 cubic yards	
<b>8</b> If	applicable, what is the size of the area to be filled?	3,330	
<b>9</b> PI	Please choose units:	square feet	
10 Is	s the fill permanent or temporary?	Temporary	
11 If	temporary, what is the duration of impact in days?	250 days	
	low many cubic yards of material are proposed to be excavated, if ny?	0 cubic yards	
<b>13</b> Is	s the excavation permanent or temporary?	Not applicable	
_	s the structure part of a fish and wildlife management plan?	No	

**NOTICE: THIS IS NOT A PERMIT.** All information provided on this application form is considered to be public information in accordance with the Minnesota Data Practices Act (Minnesota Statutes, Chapter 13).

Α	Activity Detail (Continued)		
15	Select the resource(s) below that describes the type of water bodies that could be impacted at this site.	stream/river, wetland, lake	
16	Counties	Hennepin	
17	Watersheds	Lower Minnesota River	
18	PLS	T116N-R21W-S16 NWSW, T116N-R21W-S17 SENE, T116N-R21W-S17 NESE	
19	UTMXY	X:471494 Y:4966720	
20	Water resources	Stream/River: Ninemile Creek (M-055-005) - Public Waters Watercourse, Lake: Normandale (27104501) - Public Waters Basin, Wetland: Josten's Pond (27104200) - Public Waters Basin, Lake: Normandale (27104501), Lake: Josten's Pond (27104200), Lake: Normandale\Nordmyr (27104500), Wetlands: National Wetland Inventory (quantity = 7)	

#### **Acknowledgment** (By the party who submitted the permit application)

I attest that:

I own or control (by lease, license, or other permission) the land that I propose to alter, AND

•There are no easements or other restrictions on the land that would prohibit the proposed activities from being authorized under a permit, AND

I possess the authority to undertake the work described, or I am acting as a duly authorized agent, AND

•The information submitted and the statements made concerning this application are true and correct to the best of my knowledge.

# Warning - Missing Documents

#### **Missing Documents - Required**

You are required to provide the following document(s) before your application can be processed. For faster processing, upload the document(s) before completing your application (click on the link below to navigate to the appropriate page to upload). If this is not possible, please mail the documents upon finalizing your application. Be advised that no action will be taken on your application until all required documents are received by the DNR.

Construction Plans for Water Level Control Structure Site #1 Construction Plans for Water Level Control Structure Site #2

Be sure to write your name and application reference number on all mailed documents and send to:

Jason Spiegel, Area Hydrologist Minnesota Department of Natural Resources 1200 Warner Road St. Paul, MN 55106

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