



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

Parties *(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

Shanna Braun - Contact *(representing Nine Mile Creek Watershed District)*
(submitted application)

Address: 4300 MarketPointe Drive, Suite 200, Minneapolis, MN 55435

Phone: 952-842-3619

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Randy Anhorn - Contact *(representing Nine Mile Creek Watershed District)*

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

Project Overview (Continued)

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
10	Has an Environmental Assessment Worksheet (EAW) or Environmental Impact Statement (EIS) been completed for the project, or will it be required?	Yes
11	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".	1) Do nothing; this option would not meet project goals. 2) 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.
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

Site #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

Activity Detail (Continued)

10	Is the fill permanent or temporary?	Permanent
11	How many cubic yards of material are proposed to be excavated, if any?	0 cubic yards
12	Is the excavation permanent or temporary?	Not applicable
13	Is the structure part of a fish and wildlife management plan?	No
14	Please upload engineered <u>construction plans</u> showing all existing and proposed water level control structures and conditions.	Normandale_Lake_MPARS_Permit_combined_attachments.pdf
15	Is the proposed work consistent with the rules and regulations of your Ditch Authority?	Yes
16	Select the resource(s) below that describes the type of water bodies that could be impacted at this site.	stream/river, ditch, wetland, lake
17	Counties	Hennepin
18	Watersheds	Lower Minnesota River
19	PLS	T27N-R24W-S7 NWNW, T116N-R21W-S21 NWNW, T27N-R24W-S6 SWSW, T116N-R21W-S16 SWSW
20	UTMXY	X:472202 Y:4966161
21	Water 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

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:	Earthen berm
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?	807.8 feet
6	Please choose the associated datum:	NAVD 1988
7	How many cubic yards of fill are proposed, if any?	94 cubic yards
8	If applicable, what is the size of the area to be filled?	3,330
9	Please choose units:	square feet
10	Is the fill permanent or temporary?	Temporary
11	If temporary, what is the duration of impact in days?	250 days
12	How many cubic yards of material are proposed to be excavated, if any?	0 cubic yards
13	Is the excavation permanent or temporary?	Not applicable
14	Is the structure part of a fish and wildlife management plan?	No

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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