



## **AGENDA**

Wednesday, December 15, 2021 at 5:00pm

Burnsville Maintenance Facility Conference Room  
13713 Frontier Court, Burnsville MN 55337

### **COMMISSIONERS:**

Curt Enestvedt, Chair  
Mike Hughes, Vice-Chair  
Scott Thureen, Secretary/Treasurer  
Tom Harmening  
Rollie Greeno  
Frank Boyce, Alternate  
Greg Helms, Alternate  
Natalie Walker, Alternate

- I. Approval of Agenda
- II. Approval of Minutes – November 17, 2021
- III. Approval of Accounts Payable
- IV. Review Budget Performance Reports
- V. Review of Draft Administration and Education and Public Involvement Policies and Review of Technical Advisory Committee Feedback
- VI. Miscellaneous
- VII. Adjournment

*The City of Burnsville and Black Dog Watershed Management Organization do not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in the admission or access to, or treatment or employment in, its programs, activities, or services. To obtain this information in alternative forms such as braille, large print, audiotape or qualified readers, please contact the City of Burnsville. Telephone (952) 895-4400, TDD (952) 895-4567.*



## **Agenda Background December 15, 2021**

I. Approval of Agenda

Agenda enclosed.

**Action Requested:** A motion be considered to approve the Agenda.

II. Approval of Minutes from the November 17, 2021 Meeting

Minutes enclosed.

**Action Requested:** A motion be considered to approve the Minutes from the November 17, 2021 meeting.

III. Approval of Accounts Payable

Accounts payable list enclosed.

**Action Requested:** A motion be considered to approve the accounts payable list as submitted by staff.

IV. Review of Budget Performance Reports

Current Budget Performance Reports enclosed.

**Action Requested:** No formal action required

V. Review Draft Administration, Education and Public Involvement Policies, and Technical Advisory Committee Feedback

Commissioner review of draft "Administration" and "Education and Public Involvement" policies (shown as tracked changes in Sections 4.7 and 4.8). Review of the Technical Advisory Committee (TAC) feedback on the draft policies from the Commissioner's review at the November 2021 meeting (shown as tracked changes in Sections 4.1-4.6 and 4.9). Note that goals in all sections have already been reviewed by the Commissioners and TAC. Barr staff will review these items at the meeting. The document is included in the packet.

**Action requested:** Review the revised policies and provide feedback

VI. Miscellaneous



**DRAFT**

**Meeting Minutes  
November 17, 2021**

**MEMBERS PRESENT**

Curt Enestvedt, Chair  
Mike Hughes, Vice Chair  
Scott Thureen, Secretary/Treasurer  
Rollie Greeno  
Frank Boyce, Alternate

**MEMBERS ABSENT**

Tom Harmening  
Natalie Walker, Alternate  
Greg Helms, Alternate

**OTHERS PRESENT**

Karen Chandler – Barr Engineering  
Greg Williams – Barr Engineering  
Jessica Schaum – City of Apple Valley  
Joel Jamnik – Campbell Knutson  
Ann Messerschmidt – City of Lakeville  
Samantha Berger – City of Apple Valley  
Curt Coudron – Dakota County Soil and Water Conservation District  
Melissa King – Minnesota Board of Water and Soil Resources  
Daryl Jacobson – BDWMO Administrator  
Vickie Martin – BDWMO Secretary

Curt Enestvedt, Chair, called the November 17, 2021, meeting to order at 5:00pm.

I. Approval of Agenda

**Motion by** Scott Thureen, second by Mike Hughes, to approve the November 17, 2021 Agenda as presented.

Ayes – Enestvedt, Helms, Hughes, Thureen  
Nays – None

**Motion Carried Unanimously**

II. Approval of Minutes from the October 20, 2021 Meeting

**Motion by** Mike Hughes, second by Rollie Greeno, to approve the October 20, 2021 Minutes as presented.

Ayes – Enestvedt, Helms, Hughes, Thureen  
Nays – None

**Motion Carried Unanimously**

### III. Approval of Accounts Payable

**Motion by** Scott Thureen, second by Mike Hughes, to approve payments to Barr Engineering in the amount of \$3,849.30 for services from October 2, 2021 through October 29, 2021; and to Campbell Knutson in the amount of \$204.00 for services from October 7, 2021 through October 21, 2021; and to Dakota County Soil & Water in the amount of \$10,400.00 for services from July through September, 2021.

Ayes – Enestvedt, Helms, Hughes, Thureen

Nays – None

**Motion Carried Unanimously**

### IV. Review Budget Performance Reports

Daryl Jacobson, BDWMO Administrator, stated that all member contributions have been collected. Grant discussions will take place with Barr and Minnesota Board of Water and Soil Resources (BWSR) to complete submittal for second reimbursement payment before year end.

**No Formal Action Required**

### V. Approval for Barr To Present Revised Draft Policies to The Technical Advisory Committee

Greg Williams, Barr Engineering, presented the revised draft policies. Recommended revisions from the commission included the following: 4.2 Water Quantity and Flooding to condense requirement listings to reference a program in the Minnesota Storm Water Manual; 4.3 Erosion/Sedimentation policy 3 to reinstate standard engineering and economic criteria; 4.4 Wetland Management buffer width recommendation from Barr is 30 feet, ask TAC if bounce standard should be deleted; 4.9 BDWMO Performance Standards change reference for Credit River from Township to City of, new policy 15 to change wording from basement to lowest floor.

**Motion by** Rollie Greeno, second by Mike Hughes, to authorize Barr to present revised draft policies to the Technical Advisory Committee.

Ayes – Enestvedt, Helms, Hughes, Thureen

Nays – None

**Motion Carried Unanimously**

### VI. Miscellaneous

1. Next BDWMO meeting will be December 15<sup>th</sup>.
2. City of Apple Valley updated their Shoreland Model Ordinance and will be bringing it to their council on November 23rd.

**No Formal Action Required**

### VII. Adjournment

**Motion by** Mike Hughes, second by Scott Thureen, to adjourn at 6:01pm.

Ayes – Enestvedt, Helms, Hughes, Thureen

Nays – None

**Motion Carried Unanimously**



Accounts Payable - December 15, 2021 Meeting

**Barr Engineering** - Services from October 30, 2021 through November 26, 2021

Engineering	\$	1,566.44
Special Projects General Fund - Crystal Lake Mgmt Level Monitoring	\$	145.50
Special Projects Capital Improvement Fund - Keller Lake Alum Treatment	\$	1,137.50
Special Projects General Fund Reserve - Watershed Mgmt Plan Update	\$	2,785.50
	\$	5,634.94

**Campbell Knutson**

General Services - November 2021	\$	306.00
	\$	306.00

Accounts Payable Total \$ 5,940.94

resourceful. naturally.  
engineering and environmental consultants



December 6, 2021

Black Dog Watershed Management Commission  
City of Burnsville  
13713 Frontier Court  
Burnsville, MN 55337-4720

Attn: Mr. Daryl Jacobson

**RE: Engineering & Environmental Consulting Services**

**Invoice of Account with  
BARR ENGINEERING COMPANY**

For professional services during the period of October 30, 2021 through November 26, 2021

<b>TOTAL PAYABLE THIS INVOICE:</b>	<b>\$ 5,634.94</b>
<b>Allocation:</b>	
<b>Engineering</b>	<b>\$ 1,566.44</b>
<b>Special Projects: General Fund</b>	
• Crystal Lk Monitoring	<b>\$ 145.50</b>
<b>Special Projects: Capital Improvement Fund</b>	
• Keller Lk Alum Treatment	<b>\$ 1,137.50</b>
<b>Special Projects: General Fund Reserve</b>	
• Watershed Management Update	<b>\$ 2,785.50</b>

Barr declares under the penalties of law that  
this account, claim, or demand is just and that  
no part of it has been paid.

A handwritten signature in black ink that reads "Karen L. Chandler".

Karen L. Chandler  
Vice President

A handwritten signature in blue ink, possibly reading "Daryl Jacobson", with the date "12-7-21" written below it.



BUDGET SUMMARY - 2021 FY  
Black Dog Watershed Management Commission  
through November 26, 2021

Work Description	Pre-2021 Costs	Barr Budget				Current Invoice	Spent This Year	Balance
		Brought Forward	Current Year	Total Barr Budget				
Engineering	-----	0.00	31,000.00	31,000.00		1,566.44	21,904.50	9,095.50
Special Projects: General Fund								
Reporting on Orchard Lk 2020 Water Quality Monitoring	-----	0.00	4,500.00	4,500.00		0.00	4,126.00	374.00
Crystal Lake 2021 Mgmt Level Monitoring			18,800.00	18,800.00		145.50	13,605.06	5,194.94
Subtotal -- Special Projects: General Fund	-----	0.00	23,300.00	23,300.00		145.50	17,731.06	5,568.94
Special Projects: Capital Improvement Fund								
Keller Lake Alum Treatment <sup>1</sup>			17,000.00	17,000.00		1,137.50	15,551.00	1,449.00
Subtotal -- Special Projects: Capital Improvement Fund	-----	0.00	17,000.00	17,000.00		1,137.50	15,551.00	1,449.00
Special Projects: General Fund Reserve								
Watershed Management Plan Update <sup>2</sup>	10,905.00		70,000.00	70,000.00		2,785.50	27,265.00	42,735.00
Subtotal -- Special Projects: General Fund Reserve	-----	0.00	70,000.00	70,000.00		2,785.50	27,265.00	42,735.00
Water Quality Monitoring								
Reporting on 2020 Keller Lake Habitat Monitoring	-----	0.00	8,000.00	8,000.00		0.00	7,983.50	16.50
2021 Kingsley Lake Habitat Monitoring		0.00	3,300.00	3,300.00		0.00	3,696.14	(396.14)
Update Trend Analyses	-----	0.00	2,000.00	2,000.00		0.00	2,000.00	0.00
Subtotal -- W.Q. Monitoring	-----	0.00	13,300.00	13,300.00		0.00	13,679.64	(379.64)
Public Education								
Watershed Annual Report	-----	0.00	4,300.00	4,300.00		0.00	3,519.00	781.00
Annual Activity Report (BWSR)	-----	0.00	2,000.00	2,000.00		0.00	1,461.50	538.50
Subtotal -- Public Education	-----	0.00	6,300.00	6,300.00		0.00	4,980.50	1,319.50
Total Services	-----	0.00	160,900.00	160,900.00		5,634.94	101,111.70	59,788.30

Notes:

<sup>1</sup> Keller Lake Alum Treatment 2021 budget increased from \$10,000 to \$17,000, per authorization at 9/15/2021 meeting

<sup>2</sup> Plan Update budget=\$98,200 (\$97,000 authorized at 11/18/2020 meeting, additional \$1,200 authorized at 1/20/2021 meeting), including \$10,000 budgeted in 2020





# INVOICE

Please note our new remittance address

Barr Engineering Co.  
4300 MarketPointe Drive, Suite 200  
Minneapolis, MN 55435  
Phone: 952-832-2600; Fax: 952-832-2601  
FEIN #: 41-0905995 Inc: 1966

**Remittance address:**  
**Lockbox 446104**  
**PO Box 64825**  
**St Paul, MN 55164-0825**

Mr. Daryl Jacobson  
Black Dog WMO  
City of Burnsville  
13713 Frontier Court  
Burnsville, MN 55337-4720

December 6, 2021  
Invoice No: 23190374.21 - 11

<b>Total this Invoice</b>	<b>\$1,566.44</b>
---------------------------	-------------------

**Regarding: BDWMO 2021 Engineering Services**

**Professional Services from October 30, 2021 to November 26, 2021**

Job:	2021	Engineering Services
Task:	001	Attend BDWMO Meetings

**Labor Charges**

	Hours	Rate	Amount
Principal			
Chandler, Karen	2.50	185.00	462.50
Engineer / Scientist / Specialist III			
Williams, Sterling	2.00	150.00	300.00
	4.50		762.50
<b>Subtotal Labor</b>			<b>762.50</b>

**Expense Charges**

Travel			
11/17/2021	Chandler, Karen	Mileage	13.44
<b>Subtotal Expenses</b>			<b>13.44</b>

**Task Subtotal \$775.94**

Task:	002	Miscellaneous Consulting
-------	-----	--------------------------

**Labor Charges**

	Hours	Rate	Amount
Principal			
Chandler, Karen	3.30	185.00	610.50
Support Personnel II			
Nypan, Nyssa	1.80	100.00	180.00
	5.10		790.50
<b>Subtotal Labor</b>			<b>790.50</b>

**Task Subtotal \$790.50**

**Job Subtotal \$1,566.44**

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23190374.21	2021 Engineering Services	Invoice	11
---------	-------------	---------------------------	---------	----

**Total this Invoice** **\$1,566.44**

	<b>Current</b>	<b>Prior</b>	<b>Total</b>	<b>Received</b>	<b>A/R Balance</b>
<b>Invoiced to Date</b>	<b>1,566.44</b>	<b>25,318.56</b>	<b>26,885.00</b>	<b>25,318.56</b>	<b>1,566.44</b>

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Karen Chandler, your Barr project manager, at (952) 832-2813 or email at [kchandler@barr.com](mailto:kchandler@barr.com).



# INVOICE

Please note our new remittance address

Barr Engineering Co.  
4300 MarketPointe Drive, Suite 200  
Minneapolis, MN 55435  
Phone: 952-832-2600; Fax: 952-832-2601  
FEIN #: 41-0905995 Inc: 1966

**Remittance address:**  
**Lockbox 446104**  
**PO Box 64825**  
**St Paul, MN 55164-0825**

Mr. Daryl Jacobson  
Black Dog WMO  
City of Burnsville  
13713 Frontier Court  
Burnsville, MN 55337-4720

December 6, 2021  
Invoice No: 23190375.21 - 11

<b>Total this Invoice</b>	<b>\$145.50</b>
---------------------------	-----------------

**Regarding: Management Level Water Quality Monitoring**

**Professional Services from October 30, 2021 to November 26, 2021**

Job:	CRY	Crystal Lk 2021 Water Quality Monitoring
Task:	100	Monitoring Data Mgmt & Proj Mgmt

**Labor Charges**

	Hours	Rate	Amount	
Technician I				
Melmer, David	.20	90.00	18.00	
Schneider, Anna	1.70	75.00	127.50	
	1.90		145.50	
<b>Subtotal Labor</b>				<b>145.50</b>
		<b>Task Subtotal</b>		<b>\$145.50</b>
		<b>Job Subtotal</b>		<b>\$145.50</b>
		<b>Total this Invoice</b>		<b>\$145.50</b>

	Current	Prior	Total	Received	A/R Balance
<b>Invoiced to Date</b>	<b>145.50</b>	<b>17,585.56</b>	<b>17,731.06</b>	<b>17,585.56</b>	<b>145.50</b>

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Kevin Menken, your Barr project manager, at (952) 832-2794 or email at [kmenken@barr.com](mailto:kmenken@barr.com).

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.



# INVOICE

Please note our new remittance address

Barr Engineering Co.  
4300 MarketPointe Drive, Suite 200  
Minneapolis, MN 55435  
Phone: 952-832-2600; Fax: 952-832-2601  
FEIN #: 41-0905995 Inc: 1966

**Remittance address:**  
**Lockbox 446104**  
**PO Box 64825**  
**St Paul, MN 55164-0825**

Mr. Daryl Jacobson  
Black Dog WMO  
City of Burnsville  
13713 Frontier Court  
Burnsville, MN 55337-4720

December 6, 2021  
Invoice No: 23190375.98 - 23

<b>Total this Invoice</b>	<b>\$1,137.50</b>
---------------------------	-------------------

**Regarding: Keller Lake Alum Treatment**

**Professional Services from October 30, 2021 to November 26, 2021**

Job:	003	BWSR Contract Administration
------	-----	------------------------------

Task:	001	BWSR Contract Administration
-------	-----	------------------------------

**Labor Charges**

	Hours	Rate	Amount
Engineer / Scientist / Specialist IV			
Wilson, Gregory	6.50	175.00	1,137.50
	6.50		1,137.50
<b>Subtotal Labor</b>			<b>1,137.50</b>
		<b>Task Subtotal</b>	<b>\$1,137.50</b>
		<b>Job Subtotal</b>	<b>\$1,137.50</b>
		<b>Total this Invoice</b>	<b>\$1,137.50</b>

	Current	Prior	Total	Received	A/R Balance
<b>Invoiced to Date</b>	<b>1,137.50</b>	<b>52,096.97</b>	<b>53,234.47</b>	<b>52,096.97</b>	<b>1,137.50</b>

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Greg Wilson, your Barr project manager, at (952) 832-2672 or email at [gwilson@barr.com](mailto:gwilson@barr.com).

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.



# INVOICE

Please note our new remittance address

Barr Engineering Co.  
4300 MarketPointe Drive, Suite 200  
Minneapolis, MN 55435  
Phone: 952-832-2600; Fax: 952-832-2601  
FEIN #: 41-0905995 Inc: 1966

**Remittance address:**  
**Lockbox 446104**  
**PO Box 64825**  
**St Paul, MN 55164-0825**

Mr. Daryl Jacobson  
Black Dog WMO  
City of Burnsville  
13713 Frontier Court  
Burnsville, MN 55337-4720

December 6, 2021  
Invoice No: 23191455.00 - 12

<b>Total this Invoice</b>	<b>\$2,785.50</b>
---------------------------	-------------------

**Regarding: BDWMO 2022 Watershed Management Plan**

**Professional Services from October 30, 2021 to November 26, 2021**

---

Job:	100	Stakeholder Engagement
------	-----	------------------------

---

Task:	004	TAC meetings
-------	-----	--------------

**Labor Charges**

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	1.50	150.00	225.00
	1.50		225.00
<b>Subtotal Labor</b>			<b>225.00</b>
		<b>Task Subtotal</b>	<b>\$225.00</b>
		<b>Job Subtotal</b>	<b>\$225.00</b>

---

Job:	200	Draft Plan Development
------	-----	------------------------

---

Task:	002	Issues and Goals
-------	-----	------------------

**Labor Charges**

	Hours	Rate	Amount
Principal			
Chandler, Karen	.70	185.00	129.50
	.70		129.50
<b>Subtotal Labor</b>			<b>129.50</b>
		<b>Task Subtotal</b>	<b>\$129.50</b>

---

Task:	003	Policy and Standard Revisions
-------	-----	-------------------------------

---

**Labor Charges**

	Hours	Rate	Amount
Principal			
Chandler, Karen	2.60	185.00	481.00

---

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23191455.00	BDWMO 2022 Watershed Management Plan	Invoice	12
---------	-------------	--------------------------------------	---------	----

Engineer / Scientist / Specialist III

Williams, Sterling

13.00 150.00 1,950.00

15.60 2,431.00

**Subtotal Labor**

**2,431.00**

**Task Subtotal**

**\$2,431.00**

**Job Subtotal**

**\$2,560.50**

**Total this Invoice**

**\$2,785.50**

	Current	Prior	Total	Received	A/R Balance
<b>Invoiced to Date</b>	<b>2,785.50</b>	<b>25,413.50</b>	<b>28,199.00</b>	<b>25,413.50</b>	<b>2,785.50</b>

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Greg Williams, your Barr project manager, at (952) 832-2945 or email at [gwilliams@barr.com](mailto:gwilliams@barr.com).



**CAMPBELL KNUTSON**  
**Professional Association**  
**Attorneys at Law**  
**Federal Tax I.D. #41-1562130**  
**Grand Oak Office Center I**  
**860 Blue Gentian Road, Suite 290**  
**Eagan, Minnesota 55121**  
**(651) 452-5000**

Black Dog Watershed Management Organization  
Attention: Daryl Jacobson  
City of Burnsville  
100 Civic Center Parkway  
Burnsville MN 55337-3817

Page: 1  
November 30, 2021  
Account # 602-0000G  
369

RE: GENERAL SERVICES  
RENDERED TO DATE:

			HOURS	
11/15/2021	JJJ	Review agenda packet/materials.	0.30	51.00
11/17/2021	JJJ	Attend Board meeting, review actions.	1.50	255.00
		AMOUNT DUE	1.80	306.00
		TOTAL CURRENT WORK		306.00
		PREVIOUS BALANCE		\$204.00
11/30/2021		Payment - thank you		-204.00
		TOTAL AMOUNT DUE		<u>\$306.00</u>

O/K  
Daryl Jacobson  
12-7-21

Amounts due over 30 days will be subject to a finance charge of  
.5% per month (or an annual rate of 6%). Minimum charge - 50 cents.

**BLACK DOG WMO**  
**CASH ACTIVITY REPORT 2021**

Expenditures:																
Date	Description	Deposits	Check #	Check Amount	Monthly Cash Balance	General Engineering Support	Special Projects (General)	Special Projects (Capital)	Special Projects (Gen. Reserve)	Insurance	Legal & Audit	Admin Support	Public Education	Water Quality Monitoring	Conf Public	Contingency
Balance as of 12/31/20					572,983.92											
20-Jan	Barr Engineering Co (2020)		1745	4,253.50		2,637.50	1,508.00	-	-					108.00		
20-Jan	Campbell Knutson (2020)		1746	85.00							85.00					
20-Jan	Met Council - Environ Services (2020)		1747	3,040.00										3,040.00		
31-Jan	Interest Income	9.67														
01/31/20 Balance		9.67		7,378.50	565,615.09	2,637.50	1,508.00	-	-	-	85.00	-	-	3,148.00	-	-
17-Feb	Barr Engineering Co		1748	5,732.00		2,284.00	89.50	1,155.00	1,186.00				-	1,017.50		
17-Feb	Campbell Knutson		1749	340.00							340.00					
17-Feb	City of Burnsville (2020)		1750	19,101.21								19,101.21				
17-Feb	Dakota County Soil & Water (2020)		1751	2,765.00			2,250.00	-	-				515.00			
28-Feb	Interest Income	8.72														
02/28/20 Balance		8.72		27,938.21	537,685.60	2,284.00	2,339.50	1,155.00	1,186.00	-	340.00	19,101.21	515.00	1,017.50	-	-
17-Mar	Barr Engineering		1752	11,973.00		1,912.00	2,084.00	525.00	1,232.00		-		483.50	5,736.50		
31-Mar	Interest Income	8.17														
03/31/20 Balance		8.17		11,973.00	525,720.77	1,912.00	2,084.00	525.00	1,232.00	-	-	-	483.50	5,736.50	-	-
21-Apr	Barr Engineering		1753	15,238.00		3,632.50	2,141.50	350.00	2,736.00				3,461.00	2,917.00		
21-Apr	Campbell Knutson		1754	391.00							391.00					
30-Apr	Interest Income	4.22														
04/30/20 Balance		4.22		15,629.00	510,095.99	3,632.50	2,141.50	350.00	2,736.00	-	391.00	-	3,461.00	2,917.00	-	-
19-May	Barr Engineering		1755	7,563.04		1,296.00	854.54	-	4,212.00				888.00	312.50		
19-May	Dakota County Soil & Water Conservation		1756	680.00		-	-	-	-				680.00	-		
31-May	Interest Income	4.35														
05/31/20 Balance		4.35		8,243.04	501,857.30	1,296.00	854.54	-	4,212.00	-	-	-	1,568.00	312.50	-	-
16-Jun	Barr Engineering		1757	5,997.32		2,564.50	1,830.82	-	1,085.00				148.00	369.00		
16-Jun	Campbell Knutson		1758	238.00							238.00					
30-Jun	Interest Income	4.21														
06/30/20 Balance		4.21		6,235.32	495,626.19	2,564.50	1,830.82	-	1,085.00	-	238.00	-	148.00	369.00	-	-
21-Jul	Barr Engineering		1759	9,460.56		1,199.50	2,118.90	-	4,519.00				-	1,623.16		
21-Jul	Campbell Knutson		1760	425.00							425.00					
31-Jul	Interest Income	4.31														
07/31/20 Balance		4.31		9,885.56	485,744.94	1,199.50	2,118.90	-	4,519.00	-	425.00	-	-	1,623.16	-	-
18-Aug	Barr Engineering		1761	10,009.02		1,777.50	3,111.04	1,330.00	2,086.50					1,703.98		
18-Aug	Dakota County Soil & Water Conserv Dist		1762	10,830.00			750.00		-				10,080.00			
31-Aug	Interest Income	4.03														
08/31/20 Balance		4.03		20,839.02	464,909.95	1,777.50	3,861.04	1,330.00	2,086.50	-	-	-	10,080.00	1,703.98	-	-

BLACK DOG WMO  
CASH ACTIVITY REPORT 2021

				Expenditures:												
Date	Description	Deposits	Check #	Check Amount	Monthly Cash Balance	General Engineering Support	Special Projects (General)	Special Projects (Capital)	Special Projects (Gen. Reserve)	Insurance	Legal & Audit	Admin Support	Public Education	Water Quality Monitoring	Conf Public	Contingency
15-Sep	Barr Engineering		1763	11,255.34		2,310.94	2,252.40	3,171.50	3,520.50				-	-		
15-Sep	League of MN Cities Insurance Trust		1764	2,701.00						2,701.00						
9-Sep	City of Lakeville	30,101.00														
28-Sep	City of Apple Valley	12,262.00														
28-Sep	City of Eagan	580.00														
30-Sep	Interest Income	4.02														
09/30/20 Balance		42,947.02		13,956.34	493,900.63	2,310.94	2,252.40	3,171.50	3,520.50	2,701.00	-	-	-	-	-	-
20-Oct	Barr Engineering		1765	14,399.18		2,298.62	2,677.06	6,832.00	2,591.50					-		
20-Oct	Campbell Knutson		1766	459.00							459.00					
20-Oct	HAB Aquatic Solutions		1767	110,658.00		-		110,658.00							-	
30-Oct	City of Burnsville	110,057.00														
31-Oct	Interest Income	4.96														
10/31/20 Balance		110,061.96		125,516.18	478,446.41	2,298.62	2,677.06	117,490.00	2,591.50	-	459.00	-	-	-	-	-
17-Nov	Barr Engineering		1768	3,849.30		1,062.50	425.80	1,050.00	1,311.00					-		
17-Nov	Campbell Knutson		1769	204.00							204.00					
17-Nov	Dakota County Soil & Water Conserv Dist		1770	10,400.00			6,000.00	-	-				4,400.00			
30-Nov	Interest Income	3.93														
11/30/20 Balance		3.93		14,453.30	463,997.04	1,062.50	6,425.80	1,050.00	1,311.00	-	204.00	-	4,400.00	-	-	-
Total Revenue		153,060.59	Total Expense			22,975.56	28,093.56	125,071.50	24,479.50	2,701.00	2,142.00	19,101.21	20,655.50	16,827.64	-	-
Less: 2020 A/R		-	Less: 2020 A/P			(2,637.50)	(3,758.00)	-	-	-	(85.00)	(19,101.21)	(515.00)	(3,148.00)	-	-
Total YTD 2020 Revenue		153,060.59	Total YTD 2021 Exp			20,338.06	24,335.56	125,071.50	24,479.50	2,701.00	2,057.00	-	20,140.50	13,679.64	-	-
			2021 Budget			31,000.00	36,800.00	10,000.00	70,000.00	3,000.00	5,000.00	18,000.00	18,100.00	17,100.00	500.00	5,000.00
			Budget Remaining			(18,303.00)	12,464.44	(115,071.50)	45,520.50	299.00	2,943.00	18,000.00	(2,040.50)	3,420.36	500.00	5,000.00

# BLACK DOG WATER MANAGEMENT COMMISSION

## Budget Performance Report November 30, 2021

	CURRENT MONTH	YEAR TO DATE			
	ACTUAL	GENERAL FUND BUDGET	CAPITAL IMPROVEMENT FUND BUDGET	ACTUAL	VARIANCE FAVORABLE (UNFAVORABLE)
Opening Fund Balance		\$ 421,605	\$ 122,135	\$ 543,739	
<b>REVENUES :</b>					
<b>Member Contributions:</b>					
City of Apple Valley	\$ -	\$ 10,489	\$ 1,773	\$ 12,262	\$ -
City of Burnsville	-	93,924	16,133	110,057	-
City of Eagan	-	580	-	580	-
City of Lakeville	-	26,007	4,094	30,101	-
Total Member Contributions	-	131,000	22,000	153,000	-
<b>Other Revenues:</b>					
Interest	\$ 4	\$ 40	\$ -	\$ 61	\$ 21
Grant (State of MN BWSR)	-	-	-	-	-
Total Other Revenue	4	40	-	61	21
<b>Total Revenues</b>	<b>\$ 4</b>	<b>\$ 131,040</b>	<b>\$ 22,000</b>	<b>\$ 153,061</b>	<b>\$ 21</b>
<b>EXPENDITURES :</b>					
General Engineering Support	\$ 1,063	\$ 31,000	\$ -	\$ 20,338	\$ 10,662
Special Projects - General Fund	6,426	36,800	-	24,336	12,464
Special Projects - Capital Improvement Fund	1,050	-	10,000	125,072	(115,072)
Special Projects - General Fund Reserve	1,311	70,000	-	24,480	45,521
Insurance	-	3,000	-	2,701	299
Legal and Audit	204	5,000	-	2,057	2,943
Administrative Support	-	18,000	-	-	18,000
Public Education	4,400	18,100	-	20,141	(2,041)
Water Quality Monitoring	-	17,100	-	13,680	3,420
Conference/Publications	-	500	-	-	500
Contingency	-	5,000	-	-	5,000
<b>Total Expenditures</b>	<b>14,453</b>	<b>204,500</b>	<b>10,000</b>	<b>232,803</b>	<b>(18,303)</b>
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	<u>(14,449)</u>	<u>(73,460)</u>	<u>12,000</u>	<u>(79,742)</u>	
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES PLUS OPENING FUND BALANCE				<u><u>463,997</u></u>	
TOTAL CASH AVAILABLE 11/30/2021	463,997				
<b>Fund Balance 11/30/2021</b>	<u><u>\$ 463,997</u></u>				

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tracked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

## 4.0 Goals and Policies – Tracked Changes Version

---

This section sets goals and policies that reflect the mission of the BDWMO and the vision for its water resources. The section also sets goals for specific waterbodies, managing stormwater runoff, controlling erosion, preserving wetlands, enhancing wildlife habitat and recreational opportunities, education and public involvement, performance evaluation, and financing of the implementation program. The goals are followed by policies that provide specific methods of achieving the goals and serve as decision making guidelines.

### 4.1 WATER QUALITY

#### 4.1.1 Goals

- Maintain or improve water quality in BDWMO strategic waterbodies to meet applicable state standards, including:
  - Keller Lake - achieve applicable state water quality standards (summer average of 60 ug/L total phosphorus and 1.0 m Secchi disc transparency)
  - Crystal Lake – *TBD based on existing WQ data*
  - Kingsley Lake – *TBD based on existing WQ data*
  - Lac Lavon – *TBD based on existing WQ data*
  - Orchard Lake – *TBD based on existing WQ data*
- Cooperate with member cities to achieve stormwater sediment loading goals consistent with member city MS4 permits to protect and improve local water resources and the Minnesota River.
- Cooperate with member cities to achieve stormwater phosphorus loading goals consistent with member city MS4 permits to protect and improve local water resources and the Minnesota River.
- Work with member cities to reduce chloride loading relative to current conditions through practices consistent with the Twin Cities Metropolitan Area Chloride Management Plan (MPCA, 2016) and Minnesota Statewide Chloride Management Plan (MPCA, 2021).

Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

#### 4.1.2 Policies

1. The BDWMO and member cities will cooperate to manage strategic waterbodies. The BDWMO identified and will maintain a list of “strategic waterbodies.” The BDWMO defined strategic waterbodies as those meeting specific criteria (see Section 1.9 and Table 1-6). As of the development of this Plan, BDWMO strategic waterbodies include:

- a. Crystal Lake,
- b. Orchard Lake,
- c. Keller Lake,
- d. Kingsley Lake, and
- e. Lac Lavon.

2. All waterbodies in the BDWMO will be classified and managed according to either the BDWMO waterbody classification system or the city’s wetland classification system (see member city management plans). The BDWMO will classify strategic waterbodies; member cities will classify all other waterbodies. The BDWMO waterbody classification is described in Section 1.9.1 and Table 1-7 and includes the following classifications:

**Category I** – these water bodies support swimming and other direct contact recreational activities. These waterbodies have the highest/best water quality and are usually the most popular water bodies with the public.

**Category II** – these water bodies support indirect recreational activities (e.g., boating and fishing). These waterbodies have poorer water quality than Category I waterbodies, but are still popular with the public.

**Category III** – these water bodies provide wildlife habitat, aesthetic enjoyment, and possibly warm-water fishing. These waterbodies may have poorer water quality than Category I and II waterbodies and typically are not viewed as swimmable

**Category IV** – water bodies in this category are typically water quality ponds used as nutrient and sediment traps to reduce downstream loading of sediment and/or phosphorus and other nutrients that contribute to degradation of water quality.



Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

3. The BDWMO will cooperate with the affected communities and the MPCA in developing TMDLs and associated implementation plans for impaired water bodies within the BDWMO, as needed. BDWMO roles may include financial support, technical assistance, developing the TMDL and/or implementation plan, and other appropriate activities.
4. At least biennially, the BDWMO will discuss water quality issues in the Credit River watershed downstream of the BDWMO with the Scott WMO.
5. The BDWMO will monitor the water quality, algal community, and aquatic vegetation, and other ecological factors of its strategic waterbodies per the scope and schedule described in Section XX of this Plan *(reference to implementation section)*, as amended. The BDWMO will prepare a report summarizing the results of the previous year's monitoring; the report will include available data regarding other biological indicators, such as fisheries. The BDWMO will post these reports on its website. The BDWMO will make monitoring data publicly available and provide data to the MPCA. *Description of monitoring program will be moved to a subsection of the implementation section or an appendix.*
6. The BDWMO will assess BDWMO and publicly available (e.g., CAMP monitoring) to calculate and annually assess water quality trends for strategic water bodies. When statistically significant trends (see Section X) are identified, the BDWMO will coordinate with member cities to identify appropriate follow-up actions, if needed.
7. The BDWMO may recommend actions or projects for strategic waterbodies, as necessary, following the identification of impairment(s) or statistically significant degrading trends in water quality. These projects will be included or added to the BDWMO CIP. Member cities will perform actions or projects recommended by the BDWMO. If a city does not include a recommended action or project for a strategic resource in its CIP within 18 months, the BDWMO may undertake the recommended action or project. In this situation, the BDWMO will assess the project costs back to the affected member cities, in accordance with the joint powers agreement. In accordance with the joint powers agreement, any member city may appeal cost allocation decisions made by the BDWMO.
8. The BDWMO will limit its water quality management roles not explicitly defined in this Plan and associated implementation schedule to those involving intercommunity watersheds, or those requested by the affected member cities.

Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

9. The BDWMO will continue to cooperate with the member cities and other partners, as appropriate, to implement projects to address water quality issues in strategic waterbodies. BDWMO involvement may include assisting in allocating project costs among the member cities, technical assistance/review, public engagement, seeking and managing grants, and other roles, as appropriate.
10. Member cities (or other MS4s) shall be responsible for the implementation of BMPs that will help achieve the wasteload allocations required by TMDLs. The BDWMO will fund and implement internal load reduction projects stemming from TMDLs for lakes with intercommunity shoreline (see also Section 4.7.4, Policy 8 – *reference to be updated*).
11. The BDWMO will partner with the Dakota County SWCD or other organizations to sponsor and implement small-scale water quality improvement projects through existing cost share and assistance programs (e.g., Dakota County Landscaping for clean water).
12. Member cities are responsible for managing “non-strategic” water bodies. City management of these water bodies may include classifying, monitoring, tracking trends, conducting studies, and implementing water quality management actions. Relevant activities shall be reported in the city’s local water management plan.
13. Member cities shall limit chloride use to the extent practicable through implementation of practices recommended in the Twin Cities Metropolitan Area Chloride Management Plan, Minnesota Statewide Chloride Management Plan, and/or other relevant guidance.
14. Member cities are encouraged to maximize the use of infiltration techniques to address water quality issues, consistent with the guidance and limitations detailed in the ~~MPCA Minimum Impact Design Standards (MIDS)~~Minnesota Stormwater Manual, NPDES Construction Stormwater General Permit, and MS4 General Permit.
15. The member cities are encouraged to provide or require (e.g., during redevelopment) pretreatment of stormwater runoff for existing inlets to the stormwater system that receive direct stormwater runoff (i.e., no pretreatment) and are likely to see the greatest benefit from water quality improvement BMPs.
- 15.16. The member cities shall share water quality data and trend analyses with the BDWMO, as available.

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tracked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

~~16-17.~~ The BDWMO will work with member cities to identify water quality improvement opportunities in redevelopment areas and help secure funding for such projects, as requested.

## 4.2 WATER QUANTITY AND FLOODING

### 4.2.1 Goals

- Achieve no net increase in intercommunity peak stormwater flow rates.
- Reduce the number and/or flood risk of habitable structures within the floodplain in cooperation with member cities.

### 4.2.2 Policies

1. The BDWMO will serve as a facilitator for intercommunity water quantity issues (issues where the tributary watershed spans more than one city or outflows cross city/county/WMO boundaries). As facilitator, the BDWMO will assist in fairly allocating costs among the member cities for intercommunity flood risk reduction projects (see Financing Policies, Section 4.7.4 #5 *– reference to be updated*).
2. Member cities shall maintain or strengthen existing volume control performance standards applicable to development and redevelop projects.
3. The BDWMO encourages cities to promote the use of low impact development (LID) to reduce stormwater runoff volume (including opportunities to reduce impervious surfaces) and amend local development regulations (e.g., zoning/subdivision ordinances) remove/reduce obstacles to LID practices, consistent with practices identified in the Minnesota Stormwater Manual, “Complete Streets” design approach, or similar guidance.
4. The BDWMO encourages the member cities to reduce peak discharge rates wherever possible, beyond minimum required performance standards (see Section 4.9 – BDWMO Performance Standards).
5. The BDWMO encourages the member cities to incorporate multi-stage outlets into their pond designs to control flows from smaller, less frequent storms and help maintain base flows in downstream open channels. The BDWMO will cooperate with member cities to identify or evaluate designs intended to achieve this goal.

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

~~5.6.~~ Member cities shall evaluate the impact of increasing the drainage area to landlocked basins, including effects on flooding, as part of project review. Member cities shall consider the effects of water level fluctuations on trees, vegetation, erosion, and public safety when considering proposed changes to the hydrology of landlocked basins.

~~6.7.~~ Member cities shall estimate and consider the water quality and flood risk impacts of proposed outlets from landlocked basins on intercommunity flows and/or strategic waterbodies prior to construction of the outlets. If analyses indicate adverse effects on water quality or increased flood risk, the city must consult with the BDWMO prior to construction.

~~7.8.~~ Member cities shall consider the effects of events larger than the 100-year event, prolonged periods of wet conditions, high runoff volume events (e.g., snowmelt events that last for many weeks), and potential impacts of climate change when setting minimum building elevations. Higher minimum building elevations should be considered for structures adjacent to ponding areas with large tributary watersheds and for structures adjacent to landlocked basins. *Member city staff wish to discuss this draft policy further at a future meeting.*

## 4.3 EROSION/SEDIMENTATION

### 4.3.1 Goals

- Limit and/or decrease erosion and sedimentation through continued implementation of local controls consistent with minimum state standards.
- Cooperate with member cities to achieve stormwater sediment loading goals consistent with member city MS4 permits to protect and improve local water resources and the Minnesota River. *Repeat from WQ section*

### 4.3.2 Policies

1. The BDWMO will facilitate intercommunity erosion and sediment control projects by performing studies, preliminary designs, feasibility reports, and calculating the cost apportionment between cities, as requested by the cities.
2. The BDWMO requires conveyance system discharges to be designed so as to prevent or minimize the potential for bank, channel, or shoreline erosion.

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

3. Member cities shall consider the following in the design and construction of shoreline stabilization measures, in addition to standard engineering and economic criteria:
  - a. unique or special site conditions,
  - b. energy dissipation potential,
  - c. preservation of ecological functions and habitat, and
  - d. use of natural materials, bioengineering methods, and aesthetics.
4. Member cities shall continue managing erosion and sediment control through local regulatory controls consistent with their NPDES MS4 permit and the NDPEs Construction Stormwater General Permit. Procedures for reviewing, approving, and enforcing erosion and sediment control plans shall be described in local water management plans.

## 4.4 WETLAND MANAGEMENT

### 4.4.1 Goals

- Promote improving the ecological function of wetlands for water retention, recharge, soil conservation, habitat, aesthetics, and water quality improvement through XXXX action(s) *(actions could be education related, # of improvement projects, etc.)*
- Pursue no net loss of wetlands in the BDWMO through continued City implementation of the Wetland Conservation Act (WCA), participation in technical evaluation panels (TEPs), and other wetland management roles.

### 4.4.2 Policies

1. The BDWMO defers local governmental unit (LGU) authority for administering the Wetland Conservation Act (WCA) to member cities and MnDOT (which administers the WCA within its right-of-way). The BDWMO will not seek to manage individual wetlands. In compliance with WCA, LGUs must protect wetlands from impacts in the following order: avoid, minimize, mitigate.
2. Member cities will maintain local official controls to protect and manage wetlands at least as stringent as current performance standards (see Table XX), including minimum wetland buffer widths based on protection level or management classification, ~~but not less than 30 feet. continue to enforce wetland~~

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

~~management standards as defined by each member city (see Table 3-1), but including at a minimum:~~ and limits on water level bounce during storm events depending upon wetland protection level or management classification.

3. Member cities' official controls to protect and manage wetlands shall be based on comprehensive wetland management plans or wetland functions and values assessments.
4. Member cities shall maintain an inventory of wetlands, including assessment of functions and values, either as part of a comprehensive wetland management plan or on an as-needed basis (e.g., as part of development/redevelopment project review).
5. Member cities shall use a wetland classification system similar to MnRAM3 for wetland management purposes.
6. The member cities may request that the BDWMO classify and set goals for specific wetlands; the BDWMO commissioners will decide whether to take on the responsibility, if requested.

## 4.5 SHORELAND, HABITAT AND OPEN SPACE MANAGEMENT

### 4.5.1 Goals

- Promote improved shoreline integrity and the ecological functions of healthy shorelines through XXXX action(s) *(actions could be education related, # of improvement projects, etc.)*
- Maintain or improve the ecological and habitat quality of BDWMO strategic waterbodies as quantified through the BDWMO habitat monitoring program, with the following targets established: *Individual lake targets TBD*
- Support member city and partner actions to preserve and enhance recreational opportunities within the BDWMO *May be included as policy vs goal.*
- Support member city and partners actions to prevent the increase or reduce the occurrence of aquatic invasive species within BDWMO strategic waterbodies.
- Support member city and partners actions to increase the amount and diversity of native vegetation within BDWMO strategic waterbodies. *May be combined with quantitative goal above if targets include vegetative diversity*



#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

#### 4.5.2 Policies

1. The BDWMO promotes the protection of non-disturbed shoreland areas, restoration of disturbed shorelines, and the establishment of vegetated buffers along shorelines through support of existing cost-share programs, technical assistance for member cities, and pursuit of grant and cost-share funding for shoreline restoration projects.
2. The BDWMO will consider publicly available data to identify “reference lakes” in order to establish habitat, fishery, and/or other ecological health goals for strategic waterbodies. *Consider including in water quality section.*
3. Member cities shall minimize impacts to and will restore to the extent practicable shoreline vegetation during and after construction projects.
4. The BDWMO will coordinate and collaborate with member cities, Dakota SWCD, and other partners to encourage public and private landowners to maintain wetlands and open space areas for the benefit of wildlife through education and by providing information on various grant and cost-share programs.
5. The BDWMO encourages member cities to address disturbed shoreland areas in local water management plans. This may include identification, ranking, and mapping of disturbed shoreland areas.
6. Member cities shall maintain and enforce official controls addressing shoreland areas consistent with state requirements.
7. Member cities shall manage all Category I-III waterbodies (see Table 1-7) to preserve and promote biodiversity, habitat quality, and ecological functions.
8. Member cities shall consider opportunities to maintain, restore, or enhance natural areas, wetlands, and/or habitat functions as part of stormwater infrastructure projects, redevelopment, or other appropriate projects:
9. Member cities shall consider opportunities to enhance recreational functions of natural areas and waterbodies, where appropriate, as part of stormwater infrastructure projects, redevelopment, or other appropriate projects

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tracked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

## 4.6 GROUNDWATER

### 4.6.1 Goals

- Promote the protection of groundwater quality and quantity through annual collaboration with Dakota County, Minnesota Department of Natural Resources, and/or other agencies managing groundwater.
- Promote groundwater conservation and water reuse through at least XX education and outreach activities per year.

### 4.6.2 Policies

1. The BDWMO encourages member cities to provide increased green space, grassed waterways, native vegetation, and infiltration facilities wherever such actions are possible consistent with guidance and restrictions of the ~~MPCA's Minimal Impact Design Standard~~ *Minnesota Stormwater Manual*, NPDES Construction Stormwater General Permit, and MS4 General Permit.
2. The BDWMO will work with member cities, Dakota County, and other partners in efforts to promote awareness of groundwater resource issues through public education programs, data sharing, and other information programs.
3. The BDWMO will support Dakota County in the implementation of the Dakota County 2020-2030 Groundwater Plan, through participation in planning efforts, data sharing, technical assistance or other appropriate actions, as requested. .
4. The BDWMO and member cities shall promote groundwater conservation and small-scale water reuse (e.g., rain barrels) through education and outreach and support of local cost-share programs (e.g., Dakota SWCD Landscaping for Clean Water).
5. The BDWMO encourages member cities to protect recharge areas and groundwater resources from potential sources of contamination, including contamination associated with the infiltration of stormwater, through appropriate spill and contamination prevention measures and other activities consistent with member city MS4 permits.
6. Member cities shall continue their management programs and ordinances pertaining to subsurface sewage treatment systems (SSTS), consistent with state

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

and local rules and shall follow the Metropolitan Council's Waste Discharge Rules regarding requirements and timing of connections to sanitary sewer service.

## 4.7 ADMINISTRATION (TRACKED CHANGES ARE NEW FOR COMMISSIONER REVIEW)

### 4.7.1 Goals

- Promote local connection to water resources by delegating day-to-day management and regulation of the BDWMO's water resources to the member cities.
- Promote efficient and consistent management of water and natural resources by coordinating staff and financial resources to address common goals while maintaining regulation at the local level.
- Minimize duplication and redundancy of regulatory efforts by delegating regulatory authority to member cities and establishing standards complementary to and consistent with State and Federal requirements.

### 4.7.2 Project Review Policies

1. The BDWMO will continue to review projects and programs of member cities as requested by member cities, or if projects warrant such consideration (e.g., TMDL studies, projects with intercommunity impacts, stormwater management and wetland ordinance revisions), and will provide comments to the member cities within a deadline specified by the city.

~~1.2.~~ *In addition, the BDWMO requests that the m*Member cities shall inform the WMO of their plans to implement projects identified in TMDL implementation plans.

~~2.3.~~ The BDWMO will review any proposed changes to the intercommunity stormwater system to ensure that they are consistent with an approved local water management plan.

~~3.4.~~ The BDWMO will consult with Scott WMO when reviewing proposed changes to the intercommunity stormwater system in the portion of the BDWMO tributary to the Credit River.

~~4.5.~~ The BDWMO will review and approve any changes/revisions to ~~the approved~~ local water management plans to ensure the local plan is consistent with the BDWMO plan, consistent with Minnesota Rules 8410.

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tracked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

~~5.6.~~ The BDWMO requires member cities to inform the BDWMO regarding revisions to their comprehensive plans that affect water management. The BDWMO requires that stormwater management elements of the city comprehensive plans conform to the BDWMO plan.

#### 4.7.3 Evaluation and Accountability Policies

~~1.~~ The BDWMO will submit an annual report to BWSR summarizing prior year activities and implementation progress consistent with Minnesota Rules 8410. At least biennially, the BDWMO will assess progress made toward BDWMO goals.

~~1.2.~~ The BDWMO and the member cities will meet annually to ~~discuss progress on the goals set the previous year and set goals~~ establish a work plan for the coming year.

~~2.3.~~ The BDWMO will use an evaluation concept that includes trend analysis, performance analysis ~~and habitat quality analysis, and quantitative metrics of the water resources health (e.g., water quality data) of the BDWMO's strategic water bodies.~~ This information will be presented in the annual report and newsletter.

- Trend analysis ~~ies~~ will demonstrate water quality and other significant trends at ~~selected the BDWMO's strategic~~ waterbodies (see Section 2.10.2.1 *– reference to be updated*).

~~▪ The performance analysis will evaluate the implementation of maintenance plans, capital improvement projects, programs, and other items.~~

- ~~Habitat quality analysis~~ Water quality and other quantitative data will be used to detect conditions that may trigger a need for management action (see Section 2.13.2 *– reference to be updated*).

~~4.~~ The BDWMO will work with member cities to ~~performance analysis will evaluate the implementation of maintenance plans, capital improvement projects, programs, and other implementation items.~~

~~3.5.~~ The BDWMO expects the mMember cities ~~to shall~~ continue to share information with the BDWMO regarding monitoring/surveying of strategic waterbodies or MDNR public waters within the BDWMO and any management actions or projects performed for those waterbodies ~~so that the BDWMO can compile an annual report.~~

~~4.6.~~ The BDWMO may consider developing and/or strengthening standards through a major plan amendment (see Section 5.5) if such action is warranted. New standards may be specific to individual waterbodies or be applied to the entire watershed *The*

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tracked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

*deleted policy is always available to the WMO and does not need to be stated as policy.*

5.—

#### 4.7.4 Financing Policies

1. The BDWMO will pay for implementation program elements through either the BDWMO general fund (the annual contributions of its member cities), ~~or some form of partner~~ cost sharing, or grant funding in accordance with the joint powers agreement.
2. The BDWMO will apportion the operation and maintenance costs associated with BDWMO improvement projects according to the BDWMO joint powers agreement.
3. The BDWMO will continue to fund lake ~~water quality and habitat~~ monitoring (see Section X – reference to be updated), and tracking of ~~water quality and habitat~~ trends ~~undertaken~~ for the strategic water ~~resources bodies~~ through the BDWMO general fund.
4. The BDWMO will fund diagnostic feasibility studies for strategic waterbodies through the BDWMO general fund.
5. The BDWMO will allocate the costs of intercommunity flood control projects on a case-by-case in cooperation with member cities, based ~~strictly~~ on hydrology (e.g., stormwater runoff rates), and consistent with the methods described in the Joint Powers Agreement. By using hydrologic results (comparing hydrographs), cities/watersheds that control their stormwater rates will be rewarded by having a lower percentage of the project costs allocated to them. *As written, this doesn't explain how the rates are used to allocate costs. Suggest revising to reference the JPA, or note that the BDWMO works with cities on a case by case basis. Consider moving to Administration section.*
6. In general, the BDWMO will fund more detailed monitoring, survey, and technical analysis ~~such as that~~ required to prepare diagnostic-feasibility studies, only when necessary to meet or maintain a BDWMO goal for a strategic water ~~resource~~ body.
7. The BDWMO will ~~evaluate different cost allocation methods for allocate the cost of~~ water quality improvement projects on a case-by-case basis in cooperation

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

with member cities to ensure equitable contributions from member cities and consistent with the Joint Powers Agreement. For strategic waterbodies where the tributary watershed is completely contained within one city, the costs of water quality improvement projects will be paid for by the individual city. *Suggest revising to note the preferred method, reference the JPA, or note that the BDWMO works with cities on a case by case basis. Consider moving to Administration section.*

8. The BDWMO will fund internal load reduction projects stemming from TMDLs, WRAPS, or similar studies for strategic water bodies lakes-with intercommunity shoreline (Crystal Lake, Keller Lake, and Lac Lavon) ~~by building up funds over time~~. The capital project costs will be apportioned among the member cities ~~according to each city's annual contribution to the BDWMO General Fund~~, as specified in the Joint Powers Agreement ~~(excluding the City of Eagan) will be excluded from the cost allocation. The joint powers agreement would have to be revised to allow this cost apportionment.~~

9. The BDWMO will ~~pursue~~seek grants funding for BDWMO-implemented projects or programs.

- ~~9-10.~~ The BDWMO will~~and~~ work with member cities to ~~take~~pursue and execute ~~advantage of~~ grants sought by the member cities. ~~In cooperation with member cities,~~The BDWMO may serve as the grant applicant, act as a fiscal agent for its member cities for grants that require WMO sponsorship, or assist member cities acting as the applicant, and may provide ~~matching~~ funds for grant applications.

- ~~10-11.~~ Member cities may enter into individual joint powers agreements with one another regarding cost ~~splits~~allocations for lake ~~water quality and habitat~~ improvement projects, as an alternative to using the methods set forth in the BDWMO joint powers agreement.

- ~~11. The member cities may request and receive reimbursement from the BDWMO (in accordance with the joint powers agreement) for the costs of water quality monitoring, studies, projects, etc., that are undertaken for strategic water resources at the direction of the BDWMO.~~

#### 4.7.5 Local Water Management Plan Policies

*Consider moving these content requirements to implementation section describing local water management plans. These are not really policies.*



Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tracked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

The cities must prepare and adopt ~~(local)~~ water management plans that conform to the goals, policies, and standards of the BDWMO plan, including the BDWMO ~~P~~performance Sstandards listed in Section 4.9. Additionally, member city local water management plans shall include the following:

1. Water quality management actions performed or proposed by the member cities for strategic and non-strategic waterbodies ~~or~~ and MDNR public waters (see Section 4.1.2, policy 14).
2. Maps of the existing stormwater system, as defined in ~~Section III.D of the~~ MPCA's NPDES ~~Phase II~~ MS4 General permit. The cities may use maps prepared for their respective MS4 permits.
3. ~~A list or map with that identifies water quality issues, if known, and actions to address these issues. areas likely to see the greatest benefit from potential water quality improvement projects. The cities are encouraged to develop (in the local water management plan or in the future) a water quality improvement program for these areas. The components of such a program could include the following:~~
  - ~~▪ Retrofit opportunities~~
  - ~~▪ Redevelopment opportunities~~
  - ~~▪ Site specific BMPs, such as sump manholes or prefabricated structures (e.g., Stormceptors)~~
  - ~~▪ Special/targeted street sweeping program~~
4. ~~3.~~ Description of operating and maintenance procedures for the cities' stormwater management system (or reference to the city's MS4 general permit stormwater pollution prevention program, or SWPPP), ~~including any underground or overland storage and conveyance components of that system (e.g., pipes, channels, pond outlets).~~
5. ~~4.~~ The 100-year flood peak flow rates at each intercommunity conveyor and overflow point included in the city's stormwater system. ~~Hydrographs should be provided, if available.~~
6. ~~5.~~ Maps and tables (or references to online resources) ~~showing~~ documenting subwatershed locations and sizes, drainage patterns, outlet elevations, existing or known future outlet information (to the level necessary to achieve the goals of the

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

member city and the BDWMO) and the following information for the 5-year (or 10-year) and 100-year events: existing or known future water levels, existing or known future flow rates, runoff volumes, and live storage volumes.

~~7.6.~~ Maps showing subwatersheds tributary to either the Black Dog fen wetland complex or the nearby trout streams (see Figure 2-8). The cities are to maintain or reduce the size of these tributary watersheds. The BDWMO encourages member cities to reduce stormwater discharge rates and volumes within trout stream and fen watersheds whenever possible, with the goal of reducing discharge rates to pre-development levels (or lower).

## 4.8 EDUCATION AND PUBLIC INVOLVEMENT (TRACKED CHANGES ARE NEW FOR COMMISSIONER REVIEW)

### 4.8.1 Goals

- Increase awareness and education level of residents, local officials, and city staff regarding water resources and stormwater management through actions coordinated with member cities, Dakota SWCD, and other partners:
  - X presentations per year at K-12 schools
  - X electronic newsletters/social media posts presenting information on priority issues
  - X resource clean-up events or similar volunteer activities.
- Increase community capacity to implement water and natural resource stewardship action through:
  - increased participation in volunteer activities
  - increased participation in small-scale BMP cost share projects
  - consistently providing data through accessible media

### 4.8.2 Policies

1. The BDWMO will continue to publish an watershed annual newsletter-report for public distribution that summarizes its activities for public distribution.

Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

2. The BDWMO will maintain its web site: ~~http://blackdogwmo.org/~~ (<https://blackdogwmo.org/>). The website will be updated with meeting agendas, project updates and reports, annual reports, and educational links.
3. The BDWMO will cooperate with cities and other partners to leverage ~~consider the use of~~ social media, partner websites, email, and other digital media email listserves, and other electronic means of ~~communicating~~ communicate with the public.
4. The BDWMO will coordinate with member cities to use survey results (when available) or other available public feedback (e.g., public meetings) to assess the success of ~~public education efforts~~ education and engagement activities.
5. The BDWMO will cooperate with member cities and other partners to identify, organize, and implement volunteer activities aimed at water and natural resource stewardship (e.g., shoreline cleanup, adopt-a-drain).
6. The BDWMO will continue to advertise and support resident participation in BMP cost-share programs (e.g., Dakota SWCD's Landscaping for Clean Water program).
- ~~5-7.~~ The BDWMO will coordinate and communicate with lake homeowner associations and other appropriate citizen groups as needed. Communication efforts could include distributing BDWMO annual reports, lake ~~report cards~~ water quality reports, meeting notices, and meeting agendas to these groups.
8. The BDWMO will coordinate with member cities to identify and take advantage of opportunities to engage residents at public events, as appropriate.
- ~~6-9.~~ The BDWMO will ~~form~~ convene technical and/or citizen advisory committees on an as-needed basis.
- ~~7-10.~~ ~~In place of maintaining a formal Technical Advisory Committee, t~~ The BDWMO encourages the member city technical staff and the agency representatives to attend the BDWMO meetings and provide the BDWMO with updates and provide input on technical issues.
- ~~8.~~ ~~The BDWMO and the member cities will disseminate other information to the public regarding the BDWMO, its water resources, stormwater management, etc. Possible methods include:~~

#### Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

~~■ Presenting to target audiences (e.g., lake homeowners and other citizens) upon request.~~

~~■ Collecting and distributing information assembled by other groups.~~

~~■ Providing data to agencies upon request (e.g., provide MPCA and Met Council with water quality data to enter into database).~~

*Deleted policy content is accounted for in the water quality section.*

~~9.11.~~ The BDWMO will continue to emphasize partnerships and collaborative roles with member cities, Dakota with the SWCD, and other or similar organizations to achieve shared educational and water quality goals.

~~10.12.~~ The member cities will seek citizen assistance in maintaining monitoring programs that rely on volunteers (e.g., CAMP and WHEP, see Sections 2.9.2 and 2.13.4).

~~11.13.~~ ~~The BDWMO relies on m~~Member cities shall continue to perform to maintain public education and outreach programsactivities, as outlined in their NPDES Phase II MS4 permits.

## 4.9 BDWMO PERFORMANCE STANDARDS

The BDWMO requires the policies, standards and criteria presented in this section, or an approved equivalent, to be incorporated into each city's local water management plan during the local plan's next revision. The BDWMO expects that member cities will implement the standards within two years of approval of the BDWMO plan, regardless of the local plan revision schedule.

### 4.9.1 Policies

1. Member cities shall maintain or strengthen stormwater management, erosion and sediment control, wetland, floodplain and shoreland official controls. Member cities shall notify the BDWMO of updates to relevant local controls. The BDWMO reserves the right to review these regulations or other regulations affecting the BDWMO water resources for compliance with this Plan.
2. The BDWMO requires that any project disturbing more than 1 acre (or part of a larger project exceeding 1 acre of land disturbance) shall be subject to/trigger the appropriate member city's local performance standards for rate control, volume control, and permanent water quality treatment, as shown in Table 3-2.

Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

3. The BDWMO requires that all new, reconstructed, or redeveloped stormwater management facilities (e.g., pipes, ponds, treatment facilities) conform to the policies presented in this plan.
4. For new, reconstructed, or redeveloped stormwater discharge points/outfalls, member cities must provide pretreatment of stormwater prior to its discharge to category I-III water bodies and wetlands, the Black Dog Fen, and trout streams.

~~5.1. The member cities are encouraged to provide or require (e.g., during redevelopment) pretreatment of stormwater runoff for existing inlets to the stormwater system that receive direct stormwater runoff (i.e., no pretreatment) and are likely to see the greatest benefit from water quality improvement BMPs.~~

~~6.5.~~ The City of Lakeville shall restrict the Orchard Lake outlet to maintain its peak outflow at 65 cfs to help prevent capacity and erosion problems downstream in Credit River Township and the City of Savage.

~~7.6.~~ The BDWMO requires that the level of protection along all trunk conveyors, streams, and channels and around all wetlands, ponds, detention basins, and lakes resulting from the construction or redevelopment of stormwater management facilities be based on the critical-duration 100-year flood. *Member city staff wish to discuss draft policies 7 and 8 in more detail at a future meeting.*

~~8.7.~~ The BDWMO requires that new or redeveloped non-trunk stormwater systems facilities provide discharge capacity for the critical-duration runoff event that is not less than a five-year frequency event, preferably a 10-year frequency event (level of service). *Member city staff wish to discuss draft policies 7 and 8 in more detail at a future meeting.*

~~9.8.~~ Where proposed development, redevelopment, and infrastructure projects are unable to meet the performance standards documented in this Plan, member cities shall seek input from BDWMO regarding project acceptability.

~~10.9.~~ Member cities shall ensure that proposed development, redevelopment, and/or infrastructure projects will not increase downstream flood risk relative to existing conditions.

~~11.10.~~ Member cities shall incorporate emergency overflow structures (i.e., swales, spillways), where feasible, into pond outlet structure designs to minimize flood

Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tracked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

risk resulting from storms larger than the 100-year event or plugged outlet conditions.

~~12.11.~~ Member cities shall secure easements or fee title to the stormwater system as areas develop or redevelop.

~~13.12.~~ Member cities shall require maintenance agreements for privately owned stormwater facilities that identify maintenance activities and the responsible party.

~~14.1. The BDWMO encourages the member cities to incorporate multi-stage outlets into their pond designs to control flows from smaller, less frequent storms and help maintain base flows in downstream open channels. The BDWMO will cooperate with member cities to identify or evaluate designs intended to achieve this goal.~~

~~15.13.~~ Member cities shall require minimum building elevations (including basement) at least one foot above the critical 100-year flood elevation for structures adjacent to inundation areas.

~~16.14.~~ The BDWMO requires the following rate control standards:

- For new development and redevelopment, the peak stormwater runoff rate shall not exceed the existing peak rate for the 2-year, 10-year, and the 100-year storm events. “Subwatershed” may be the project site, or may be an area of greater size for which an approved local water management plan meets this criterion.
- Analysis of peak stormwater rates shall be performed using a hydrograph method based on sound hydrologic theory and Atlas 14 (or more recent) precipitation data.
- Rates may be further restricted when the capacity of the downstream conveyance system is limited.

~~17.15.~~ Member cities shall be responsible for operating and maintaining city-owned stormwater facilities to achieve the intended water quality improvement, flood risk reduction, and other beneficial functions originally intended.

Formatting Notes:

- Policies in Sections 4.1 – 4.6 and in Section 4.9 are shown in tacked changes reflecting comments from the 12/2/2021 TAC meeting (after Commissioner review on 11/17/21)
- Policies in Sections 4.7 – 4.8 are shown in tracked changes for Commissioner review
- *Italic with yellow highlight* indicates a note for Commissioners/staff/TAC consideration

~~18-16.~~ Structural BMPs that treat stormwater shall conform to standard engineering practices documented in the Minnesota Stormwater Manual or equivalent design standard.

17. Member cities will maintain local official controls to protect and manage wetlands at least as stringent as current performance standards (see Table XX), including minimum wetland buffer widths based on protection level or management classification, ~~but not less than XX feet.~~ and Limits on water level bounce during storm events depending upon wetland protection level or management classification.