

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 HAYWARD AVENUE, OAKDALE, MINNESOTA 55082
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



Regular Meeting of the Middle St. Croix Watershed Management Organization

HELD REMOTELY DUE TO COVID -19 PANDEMIC

Attend ONLINE VIA ZOOM by clicking this link: <https://us02web.zoom.us/j/88278992487>

OR

Attend by CONFERENCE CALL by dialing +1 312 626 6799 – Meeting ID 882 7899 2487

Thursday, December 10th, 2020

6:00PM

1. Call to Order – 6:00PM
 - a. Approval of Agenda
2. Approval of Minutes
 - a. Draft minutes – November 12th, 2020 **pg. 1-4**
4. Treasurer's Report
 - a. Report of savings account, assets for December 10th, 2020
 - b. Approve payment of bills for December 10th, 2020
5. Public Comment
6. Old Business
7. New Business
 - a. 3M PFAS, Stu Grub –Discuss
8. Grant and Cost Share Applications
 - a. Lake St. Croix Beach Bluff Partial Payment **pg. 5-9**
9. Plan Reviews/Submittals
 - a. Plan Review and Submittal Summary **pg. 10**
 - i. Fox-**INFORM**
 - ii. Villas-**INFORM**
 - iii. St. Michael's Cemetery-**INFORM**
 - iv. 200 Chestnut St.-**INFORM**
 - b. Erosion and Sediment Control Inspection Reports **pg. 11-16**
10. Staff Report **pg. 17-18**
11. 1W1P Updates
12. Other
13. Adjourn

Middle St. Croix Watershed Management Organization Member Communities

Afton, Bayport, Baytown, Lakeland, Lakeland Shores, Lake St. Croix Beach, Oak Park Heights, St. Mary's Point, Stillwater, & West Lakeland

Regular Meeting of the Middle St. Croix Watershed Management Organization
HELD REMOTELY DUE TO COVID -19 PANDEMIC

Thursday, November 12th, 2020

6:00PM

Present: Joe Paiement, City of Lakeland; John Fellego, Baytown Township; Mike Runk, Oak Park Heights; Tom McCarthy, Lake St. Croix Beach; Beth Olfelt-Nelson, St. Mary's Point; Annie Perkins, Afton; Administrator Matt Downing; Cameron Blake, WCD; Dawn Bulera, Lake St. Croix Beach alt., Christopher Smith, Public.

Call to Order

Manager McCarthy called the meeting to order at 6:00 PM.

Approval of Agenda

Manager Runk motioned to approve the agenda and Manager McCarthy seconded the motion. The motion passed on a roll call vote with all in favor.

Approval of Minutes

Manager Fellego motioned to approve the October 8th minutes and Manager McCarthy seconded the motion. The motion passed on a roll call vote.

Treasurer's Report

The treasurer's report was presented by Administrator Downing. The remaining checking account balance on November 12th 2020 for the month of October was \$570,698.53. First State Bank CDs were valued at \$38,549.15. The ending balance in the RBC savings account for October 2020 was \$71,107.08.

Bills to be approved this month are: Emmons & Oliver: \$591.50; Emmons & Oliver \$760.50; Emmons & Oliver \$1,225.80; Washington Conservation District (Administration): \$3,950.00; Washington Conservation District (Technical Services): \$2,154.00; Washington Conservation District (Grant Hours): \$18,232.23; Total: \$27,414.03. One invoice was removed from the treasurer's report as it was on their mistakenly (Metro Watershed Partners, \$500.00).

Administrator Downing explained that this included community contributions and the Manager Fellego asked Administrator Downing about the \$18,000 invoice for grant hours. Administrator Downing explained there was work being done on three WBF grants: Perro Creek, Lily Lake infiltration basin, and the Lake St. Croix bluff. The group noted that all community contributions had been received.

Manager Fellego motioned to approve the November treasurer's report and pay the bills. Manager Olfelt-Nelson asked for the mistaken invoice to be addressed. Manager Fellego amended his motion to include this and Manager McCarthy seconded the motions. The motion passed on a roll call vote.

Public Comment

Christopher Smith did not have any public comment.

3M PFAS Reimbursement Request

Our consultant at EOR has been reviewing documents and providing technical input on the development of the water supply groundwater model as part of the 3M PFAS settlement.

Manager Runk motioned to approve submittal of 3M PFAS Reimbursement Request totaling \$1,352.00. Manager Fellegly seconded this motion and the motion passed on a roll call vote.

2021 MSCWMO-WCD Technical Services Agreement pg. 8-14

Administrator Downing presented the 2021 MSCWMO-WCD TSA to the board. Manager Fellegly asked if there were any changes such as billing rates. Administrator Downing said no that it's the same as last year, and that the WCD tries to keep the agreement standard.

Administrator Downing previously discussed the water monitoring component with the board. The administrative services component is the same and the technical services component is lower because grant funding is wrapping up so there will be less work in 2021. Manager Fellegly asked if Bryan Pynn, WCD had any comments on any upcoming activities and Administrator Downing said he did not.

Manager Fellegly motioned to approve the 2021 MSCWMO-WCD Technical Services Agreement. Manager Olfelt-Nelson seconded this and the motion passed on a roll call vote with all in favor.

2021 Permit Review and Meeting Dates

The board reviewed the proposed project review timeline and board meeting dates for 2021.

Manager Fellegly thinks it works, and noted that 21 days is standard. Manager Runk asked about the November board meeting set to fall on Veteran's Day. The group decided to move the board meeting to the 10th and the other deadlines back a day accordingly.

Manager Fellegly motioned to approve the 2021 Project Review Schedule and Manager Runk seconded this motion. The motion passed on a roll call vote with all in favor.

2021 Project Review Fees

The board discussed the proposed 2021 MSCWMO Review Fees. Manager Fellegly asked if the \$350 single resident review fee was too low. Administrator Downing said this year they asked for more from one project but that most fell between \$350-400 so he thinks it's still realistic. The WMO also has a mechanism in place to recoup losses. The other options are based on the size of the project. Managers Olfelt and Fellegly asked if it could be made more clear on the application form that the single family home fee "starts at \$350" so they know that more money may be needed; such as adding an asterisk. Administrator Downing agreed and said this mechanism is already stated but he would like it to be clearer when this happens. For instance a chosen value or percent after which it is chosen to recoup funds from the municipalities. Last year the MSCWMO recouped \$2,200. He said in general this happens with the larger reviews rather than the single family residences.

Manager Fellegly motioned to approve the 2021 Project Review Fees and Manager McCarthy seconded this motion. The motion passed on a roll call vote with all in favor.

Biennial Request for Professional Services

Administrator Downing reminded the board that the MSCWMO is required to solicit for legal and engineering services every two years. He asked the board for suggestions on a question: does the board wish to avoid selecting the services of any firms already employed by their communities? Manager Paiement said he thought this may be to prevent conflict of interest but was unsure of how often this issue comes up. Administrator Downing said things may have

changed and perhaps the engineering services wouldn't have conflict due to the nature of the work involving grant project design. He explained he just wanted to point it out because it limits options for exploring, but the MSCWMO is getting good services regardless. Manager Fellegy also recalled the organizations the MSCWMO uses as coming in the lowest on the RFQ's as well. Manager Runk said he thinks the wording is fine.

Manager Runk motioned to ask Administrator Downing to provide the RFQ's to the existing contractors as well as post the request on the public register. Manager Paiement seconded this and the motion passed on a roll call vote with all in favor.

2020 BMP Maintenance Program Summary

Cameron Blake, WCD, presented the 2020 MSCWMO BMP Maintenance Summary Report. The report include information on what BMP's the MSCWMO is maintaining, what activities took place in 2020, and recommended activities for next year. The board thanked the WCD for the work they did.

Trinity Lutheran Church Parking Cost Share Request

Trinity Lutheran Church is requesting a MSCWMO Water Quality grant to install up to 3,000 square feet of Bee Lawn to improve pollinator habitat and slow runoff from 10,000 sq ft of adjacent property. This project would fit under the Landscaping for Water Quality grant program (\$500 cap). Manager Fellegy asked why the cost share would be less than the pervious driveway. Administrator Downing recalled the conversation at last month's board meeting and explained that the cost-share program awarded different values depending on the category of project. Manager Olfelt-Nelson motioned to approve a cost share award not to exceed \$500.00 for the Trinity Lutheran Church Bee Lawn. Manager Fellegy seconded this and the motion passed on a roll call vote with all in favor.

Remaining Cost Share

Manager McCarthy motioned to lump items 8b-9 into one motion for board approval as they are all final payment requests of previously approved projects. Manager Fellegy seconded this motion. The board approved the cost share payments for Fix, Martin, and Ballweg on a roll call vote with all in favor. Manager Fellegy said that he still thinks the board should re-visit the cost share amount granted for permeable paver projects as he doesn't think it's an even trade.

Fox Trail

This is an informative item in the agenda. Administrator Downing explained that he was hesitant to approve this project as it is close to the bluff blowout, and it would be better to choose wooden stairs rather than a trail. The proposed material for the trail (class 5 gravel) is still impervious even though it isn't concrete. Manager Olfelt-Nelson said she has noticed more four-wheelers parked on the beaches of the St. Croix and wants to be careful with these projects. Administrator Downing agreed and said these types of projects would require a variance from the community before it reaches the MSCWMO, and recommends they find a different solution.

Erosion and Sediment Control Inspection Reports

Aaron DeRusha, WCD, has been in contact with the owner and community about the MN Party Bus property re: a perimeter control issue that led to a C grade. The Scanlan and Locke properties have both been very cooperative and responsive. The Stordahl property had a previous

blow out but is back in good shape. Manager Runk told Administrator Downing and Manager Felleggy to keep an eye out for a communication from Oak Park Heights about a 1990 project on west of Oakgreen and south of 55th St. which drains onto private property. He said City engineers are going to do some work to stabilize it. Manager Felleggy said this eventually drains onto his own property.

Staff Report

Administrator Downing presented the staff report. The Lily Lake project is at 90% plans and under review. The Lake St. Croix Bluff project is wrapping up soon, once the river freezes. They will finishing in the spring of 2021 unless water levels are too high. The project would then be completed in fall of 2021 which works with the grant timing. There is work being done on PFAS involving testing on deer livers hunted this year to investigate potential impact. Manager Olfelt-Nelson asked where the line of impact for the PFAS issue reaches. The board wasn't sure but it may reach close to St. Mary's Point.

Managers Olfelt-Nelson and McCarthy both need to leave, but one must stay to complete the quorum for the last topic on the agenda. Manager McCarthy is staying.

1W1P Updates

Administrator Downing presented the 1W1P update and required action from the board. The MSCWMO needs to sign onto the JPA by the end of December if they wish to be a participant in the implementation process. Administrator Downing explained the Summary of Actions for Plan Adoption, the Sample Resolution to Adopt, and the LSC Joint Powers Agreement. The MSCWMO needs to: withdraw from the planning process, adopt the 1W1P, approve the JPA, and appoint a representative and alternate for the policy committee. The resolution was received by legal and Administrator Downing further refined it using the SRWMO's resolution (not reviewed by legal). He asked if the board wanted it reviewed by legal first and noted the board could table this for the December board meeting and still meet the 60 day deadline. Manager Felleggy said he thinks the MSCWMO should approve this and thinks its pretty basic. The board agreed to select Manager Felleggy for the representative and keep Manager Zeller as the alternative.

Manager Runk motioned to approve the resolution to adopt the Lower St. Croix Comprehensive Watershed Management Plan And enter into the Joint Powers Agreement for the Implementation of the Lower St. Croix Comprehensive Watershed Management Plan. Authorize Manager Felleggy to serve as the MSCWMO's Policy Committee representative and Manager Zeller to serve as alternate through the January 2022 MSCWMO board meeting. Manager Felleggy seconded this and the motion passed on a roll call vote with all in favor.

Adjourn

Administrator Downing will email the managers the content for the "other" agenda item. Manager Felleggy motioned to adjourn the meeting and Manager Runk seconded this motion. Motion passed on a roll call vote with all in favor. Meeting adjourned at 7:01PM

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MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Matt Downing, Administrator
DATE: December 7th, 2020

RE: 8a.) Lake St. Croix Beach Bluff Stabilization Partial Payment

In August 2020, the MSCWMO Board of Managers approved encumbrance of up to \$198,089.75 for the installation of the Lake St. Croix Beach Bluff Toe Stabilization project. The project is a public partnership between the MSCWMO and the City of Lake St. Croix Beach. The project utilizes several funding sources (listed below), and provides a pollutant load reduction to the St Croix River of 30 lbs/TP year.

As of November 13th, the original contract work was 93% complete. The City Engineer and WCD staff verified that all work completed was done according to plans. Max Todo Marine Services has requested and received partial payment from the City in accordance with the work contract. The City is requesting reimbursement of \$132,289.40 in accordance with the cost-share contract.

Staff recommends payment of the work as completed. Expenditures will be reported to BWSR and allow for the next 40% of the grant funds to be requested.

GRANTS UPDATE:

GRANT CONTRIBUTIONS (this project only)

FY19 CWF – LSCD South	FY18 CWF – WBF
Grant Encumbered: \$180,000.00	Grant Encumbered: \$18,089.75
Grant Spent (incl. this request): \$132,289.40	Grant Spent (incl. this request): \$0.00
Remaining Encumbrance: \$47,710.60	Remaining Encumbrance: \$18,089.75

Recommended Board Action- Approve the partial payment of \$132,289.40 for the Lake St. Croix Beach Bluff Stabilization Project.



Building a Better World
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MEMORANDUM

TO: Mayor McCarthy and Lake St. Croix Beach City Council

FROM: John D. Parotti, PE | City Engineer(Lic. MN, WI)

DATE: November 16, 2020

RE: 2020 Bluff Toe Stabilization Project - Contractor Application for Payment
SEH No. LAKES 155011 14.00

Attached with this memo you will find a copy of the first Application for Payment (AFP No. 1) from the City's contractor, Max Todo Marine Services, for work completed on the above project. Below is a summary of approved construction funding and costs to date:

Construction Funding Summary

Item	Amount
Approved Project Budget	\$250,000.00
Original Contract Amount	\$237,780.00
Change Order No. 1	\$84,000.00
Total Available Construction Funding	\$321,780.00

Contractor Payment History

Application for Payment	Total
1 - November 13, 2020 - Pending	\$213,370.00
2 (Final) -	
Total Contractor Payments to Date	\$213,370.00

The original contract work is approximately 93% complete. As a result, the attached AFP No. 1 is a partial payment request as allowed by contract. Work will continue, as weather allows, until complete and a final pay application will be presented to the City for approval at a future meeting.

Work completed has been inspected and found to be in general conformance with the contract documents. Therefore, we recommend payment to Max Todo Marine Services in the amount of \$213,370.00 as requested.

Attachment

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Application for Payment

(Unit Price Contract)

No. 1

Eng. Project No.: LAKES 155011

Location: Lake St. Croix Beach, Minnesota

Contractor	<u>MaxToDo Services inc.</u>	Contract Date	<u>October 5, 2020</u>
	<u>1250 S Main Street</u>		
	<u>Stillwater, MN 55082</u>	Contract Amount	<u>\$ 237,780.00</u>

Contract for 2020 Bluff Toe Stabilization Project

Application Date	<u>11/13/20</u>	For Period Ending	<u>11/13/20</u>
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Item No.	Item	Unit	Est. Quantity	Quantity to Date	Unit Price	Total Price
Base Bid Project						
31 23 10.1	Embankment (Riprap Void Fill)	SY	320		\$10.25	
31 11 00.1	Clear and Grub Trees	LS	1	<u>1</u>	\$21,500.00	<u>\$21,500.00</u>
31 37 00.1	Riprap	LF	300	<u>280</u>	\$710.00	<u>\$198,800.00</u>
TOTAL BASE BID PRICE						<u>\$220,300.00</u>
Change Order No. 1						
31 23 10.1	Embankment (Riprap Void Fill)	SY	104		\$10.25	
31 11 00.1	Clear and Grub Trees	LF	104	<u>50</u>	\$86.00	<u>\$4,300.00</u>
31 37 00.1	Riprap	LF	104		\$710.00	
CHANGE ORDER NO. 1						<u>\$4,300.00</u>

Application for Payment (continued)

Total Contract Amount	\$ 237,780.00	Total Amount Earned	\$ 220,300.00
Contract Ch. Order No. 1	\$ 84,000.00	Material Suitably Stored on Site, Not Incorporated into Work	
Contract Ch. Order No.	\$	Change Order No. 1 Amount Earned	\$ 4,300.00
Contract Ch. Order No.	\$		
Less Previous Applications:		GROSS AMOUNT DUE	\$ 224,600.00
AFP No. 1: _____	AFP No. 6: _____	LESS 5 % RETAINAGE	\$ 11,230.00
AFP No. 2: _____	AFP No. 7: _____	AMOUNT DUE TO DATE	\$ 213,370.00
AFP No. 3: _____	AFP No. 8: _____	LESS PREVIOUS APPLICATIONS	\$
AFP No. 4: _____	AFP No. 9: _____	AMOUNT DUE THIS APPLICATION	\$ 213,370.00
AFP No. 5: _____			


CONTRACTOR'S AFFIDAVIT

The undersigned Contractor hereby swears under penalty of perjury that (1) all previous progress payments received from the Owner on account of work performed under the Contract referred to above have been applied by the undersigned to discharge in full all obligations of the undersigned incurred in connection with work covered by prior Applications for Payment under said contract, 2020 Bluff Toe Stabilization Project, Lake St. Croix Beach, Minnesota, and (2) all material and equipment incorporated in said Project or otherwise listed in or covered by this Application for Payment and free and clear of all liens, claims, security interests and encumbrances.

Date DECEMBER 7, 2020 Thomas Hunninghake
Max Todo Marine Services

COUNTY OF WASHINGTON)
STATE OF MINNESOTA) SS By Thomas Hunninghake
Thomas Hunninghake, President

Before me on this 07 day of DECEMBER 7, 2020, personally appeared THOMAS HUNNINGHAKE known to be, who being duly sworn did depose and say that he is the PRESIDENT (office) of the Contractor above mentioned that he executed the above Application for Payment and Affidavit on behalf of said Contractor; and that all of the statements contained therein

My Commission expires 1/31/2023  Kathleen Anne Piscitello
(Notary Public)
KATHLEEN A. PISCITELLO

The undersigned has checked the Contractor's Application for Payment shown above. A part of this Application is the Contractor's Affidavit stating that all previous payments to him under this contract have been applied by him to discharge in full all of his obligations in connecting with the work by all prior Applications for Payment.

In accordance with the Contract, the undersigned recommends approval of payment to the Contractor for the Amount due.

John D. Parotti

Dave Engstrom

Short Elliott Hendrickson Inc.
By John D. Parotti, PE | City Engineer
Date November 16, 2020

City of Lake St. Croix Beach CITY CLERK/
By DAVE ENGSTROM ADMINISTRATOR
Date 12/07/2020



INVOICE

City of Lake St. Croix Beach
State of Minnesota
County of Washington

DATE: December 7, 2020

TO: Middle St. Croix Water Management Organization [MSCWMO]

RE: LSCB Bluff Pay Request
[62% - \$132,289.40 of the authorized \$213,370 payment]

AMOUNT DUE: \$132,289.40

Kate Piscitello
Deputy Clerk/Treasurer

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MEMORANDUM

TO: Matt Downing, Administrator
FROM: Rebecca Nestingen, PE
DATE: December 4, 2020

RE: 9a) Plan Reviews/Submittals

The following is a summary of recent activity on projects submittals which qualify for plan review under the MSCWMO 2015 Watershed Management Plan (WMP):

- **Fox Trail.** The construction of a new trail down the bluff on a residential property is proposed at 1485 Rivercrest Road N. in Lakeland. A project application for review was received on October 22nd, 2020. A variance for construction within the bluff line will be needed from the City of Lakeland. Additional information regarding the surfacing of the trail was requested as well as materials for the erosion and sediment control plan. MSCWMO staff are currently awaiting for the variance process for construction on a bluff with the City of Lakeland to be complete prior to providing a recommendation to approve or deny based upon MSCWMO standards.
- **Villas of Inspiration.** Revised plans were received for the Villas of Inspiration residential development in Bayport on December 1, 2020. The development was previously reviewed and recommended for approval in May 2019. MSCWMO staff is reviewing the revised low opening structure elevations relative to high water levels for conformance with MSCWMO flood control standards.
- **St. Michael's Cemetery.** A project review application and materials for the expansion of St. Michael's Cemetery in Bayport was received on December 1, 2020. The review fee was received December 4, 2020. MSCWMO staff will begin the review process December 7, 2020.
- **200 Chestnut Street.** Incomplete materials were received for a proposed development of a 73-unit apartment structure at 200 Chestnut Street East in Stillwater on December 1, 2020. MSCWMO staff are awaiting receipt of a complete application package to review the project for conformance with MSCWMO standards.



**MIDDLE ST. CROIX WATERSHED WMO
CONSTRUCTION SITE INSPECTION PROGRAM**

**EROSION & SEDIMENT CONTROL
INSPECTION REPORT**

Middle St. Croix Watershed WMO c/o
Washington Conservation District
455 Hayward Ave N
Oakdale, MN 55128
Phone: (651) 330-8220 x22
www.mscwmo.org

Middle St. Croix WMO
455 Hayward Ave N
Oakdale MN 55128

December 2, 2020
MSCWMO Review #: LSCB Bluff
Electronic-Mailed (x)

Project: Lake St Croix Beach Bluff Stabilization

Dear **Middle St. Croix WMO**:

The Middle St. Croix Watershed (MSCWMO) conducted an inspection for stormwater, erosion, and sedimentation control issues at the site noted above on **2020-11-30**. The following report summarizes the field inspection findings and describes areas of compliance/noncompliance with the MSCWMO Watershed Management Plan and approved construction plans.

Inspection information

Is this inspection routine or in response to a storm event: ✓ Routine Rainfall

Rainfall amount (if applicable):

Is site within one aerial mile of special or impaired water that can potentially receive discharge from the site? ✓ Yes No

Note: If **NA** is selected at any time, specify why in the comment area for that section.

Erosion prevention requirements

	Yes	No	NA
1. Are soils stabilized where no construction activity has occurred for 14 days (including stockpiles)? (7 days where applicable, or 24 hours during Minnesota Department of Natural Resources [DNR] Fish Spawning restrictions)		✓	
2. Has the need to disturb steep slopes been minimized?	✓		
3. If steep slopes are disturbed, are stabilization practices designed for steep slopes used?	✓		
4. Are ditches/swales stabilized 200' back from point of discharge or property edge within 24 hours? (Mulch, hydromulch, tackifier, or similar best management practices [BMPs] are not acceptable in ditches/swales if the slope is greater than 2%)			✓
5. Do pipe outlets have energy dissipation (within 24 hours of connection)?			✓
6. Is construction phasing being followed in accordance with the approved construction plans?			✓
7. Are areas not to be disturbed marked off (flags, signs, etc.)?			✓

Comments:

Soils on slope of last 90ft of north end of the project not stabilized where tree removal occurred. However, temporary stabilization would be at risk of washout in a spring flood event. Excelsior blanket has been installed along top edge of riprap. See Other Item 6 and Comments section.

Sediment control requirements

	Yes	No	NA
1. Are perimeter sediment controls installed properly on all down gradient perimeters?		✓	
2. Are appropriate BMPs installed protecting inlets, catch basins, and culvert inlets?			✓
3. Do all erodible stockpiles have perimeter control in place?			✓
4. Is there a temporary sediment basin on site, and is it built as shown in the approved stormwater management plan?			✓
5. Is soil compaction being minimized where not designed for compaction?			✓

Comments:

Silt fence has been removed along remaining 90ft of north end of project where vegetation disturbance has occurred. See Other Item 6 and Comments sections.

Maintenance and Inspections

	Yes	No	NA
1. Are all previously stabilized areas maintaining ground cover?	✓		
2. Are perimeter controls maintained and functioning properly, sediment removed when one-half full?			✓
3. Are inlet protection devices maintained and adequately protecting inlets?			✓
4. Are the temporary sediment basins being maintained and functioning properly?			✓
5. Are vehicle tracking BMPs at site exits in place and maintained and functioning properly?			✓
6. Is all tracked sediment being removed within 24 hours?			✓
7. Have all surface waters, ditches, conveyances, and discharge points been inspected?	✓		
8. Were any discharges seen during this inspection (i.e., sediment, turbid water, or otherwise)?		✓	

If yes, record the location of all points of discharge. Photograph and describe the discharge (size, color, odor, foam, oil sheen, time, etc.). Describe how the discharge will be addressed:

Comments:

Other

	Yes	No	NA
1. Are pollution prevention management measures for solid waste, hazardous material, concrete, and truck washing in place?			✓
2. Is any dewatering occurring on site?			✓
If yes, what BMPs are being used to ensure that clean water is leaving the site and the discharge is not causing erosion or scour?			
3. Will a permanent stormwater management system be created for this project if required and in accordance with MSCWMO Performance Standards Section 7.2			✓
If yes, describe:			
4. If infiltration/filtration systems are being constructed, are they marked and protected from compaction and sedimentation?			✓
5. Is MSCWMO required buffer preserved around all streams, lakes, and wetlands during construction?			✓
Has buffer monumentation been installed?			✓

6. Description of areas of non-compliance noted during the inspection, required corrective actions, and recommended date of completion of corrective actions:

Perimeter control is removed on northern ~90ft of project where tree removal has occurred. However, perimeter controls and temporary stabilization of the entire remaining area of the project would likely be a greater liability to the river than the potential for erosion in a spring flood event. Replacing perimeter controls is not recommended, although a short, natural fiber blanket on the upper half of the slope, approx 20ft past the end of the riprap to the first remaining stump from the tree cutting, may prevent runoff erosion of the slope and stabilize the most exposed soils.

7. Potential areas of future concern:

Comments:

Disturbance of soil from vegetation removal along remaining open area of project appears minimal, and the current condition of the slope is likely similar to its condition prior to start of the project. Increased erosion of the remaining open slope over the preexisting condition is unlikely, although permanent stabilization of the entire disturbed area before winter would have been ideal.

Maintenance and Compliance Summary

Overall Site Grade:

C - Fair

A status described above as noncompliant must be addressed in accordance with the MSCWMO Standards. Follow-up inspections will be conducted on a regular basis.

Please contact me at the number below, or Matt Downing (mdowning@mnwcd.org) at (651) 330-8220 (ext. 29) if you have any questions.

Respectfully,

Aaron DeRusha (Cell: 612-816-7995)
MSCWMO Inspector
Cc: Matt Downing, MSCWMO

GRADE DESCRIPTIONS

A The site is in full compliance, all practices are in place, and the site is well maintained.

B The site is in compliance, but normal maintenance activities are required.

C The site is not in compliance. Maintenance or supplemental practices are required.

D The site is not in compliance. Erosion and sediment control practices are in poor condition and controllable water resources or off-site impacts are likely. Contact the District for a followup inspection as soon as correction measures have been taken.

E The site is in severe non-compliance. Controllable water quality or off-site impacts have occurred. Enforcement proceedings will be initiated unless immediate corrective actions are taken.





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Staff Report- November 2020

Administration

- Prepared December meeting materials
- Coordination of Grant and Permit Programs

Project Reviews

- Fox Trail-**INFORM**
- Villas of Inspiration-**INFORM**
- St. Michael's Cemetery-**INFORM**
- 200 Chestnut Street-**INFORM**

Lily Lake Phosphorus Reductions for Delisting – CWF Grant C20-6055

Description: Awarded \$513,500 for in-lake alum treatment and filtration basin to remove 120lbs of phosphorus from Lily Lake.

Activities This Month: Met with Emmons, Olivier Resources (EOR) for design meeting for the Lily Lake Park basin. Draft 90% plans were completed and reviewed by MSCWMO staff. City of Stillwater staff have been engaged and we are awaiting comments from them before finalizing plans and going out for bid.

Staff: Bryan Pynn-WCD; Matt Downing-MSCWMO

Watershed Based Funding- Lily Lake Raingardens

Description: \$39,636 CWF Watershed Based Funding allocation to improve water quality. The funding is approved to provide the design and installation of two raingardens on Lily Lake in Stillwater.

Activities This Month: Funding approved for re-allocation to the LSCB Bluff project. LSCB Bluff project under construction.

Staff: Bryan Pynn - WCD

Lake St. Croix Small Communities Phosphorus Reduction Grant

Description: \$200,000 grant for stormwater quality improvement south of Bayport (2019-2021). Planning to work in partnership with City of Lake St. Croix Beach to stabilize the bluff on the north side of town.

Activities This Month: Project under construction. 285 feet have been completed, the remaining project will be completed in spring of 2021. Will be working with the City to prepare a partial payment and request more grant funds from BWSR.

Staff: Bryan Pynn - WCD; Matt Downing - MSCWMO

3M PFAS Settlement MPCA Staff Reimbursement Grant

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 HAYWARD AVENUE, OAKDALE, MINNESOTA 55082
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Description: Up to \$40,000 reimbursement of staff time for both the Administrator and consultant (Stu Grub with EOR) to participate in the development of the groundwater model for the PFAS contamination in the southern portion of the watershed.

Activities This Month: Engaged with Stu to provide a summary and presentation to the Board.

Staff: Matt Downing, MSCWMO; Stu Grub, EOR

Microbial Source Tracking of *E. coli* in Perro Creek

Description: The MSCWMO and the City of Bayport agreed to partner on an effort to identify the source of *E. coli* contamination of Perro Creek. 4 locations on the creek were sampled for the presence or absence of human DNA in the bacteria. This effort is above and beyond the concentration monitoring already being conducted by the MSCWMO.

Activities This Month: Sampling has been concluded for the year and results will be reported in the 2020 Annual Monitoring Summary.

Staff: Rebecca Oldenburg Giebel, WCD

Water Monitoring Program

Description: The MSCWMO water monitoring program includes the monitoring of flow at three sites. These sites have that equipment serves to collect data on the total volume of water flowing into Lily Lake at the Greeley Street Inlet, through Perro Creek at the Diversion Structure, as well as, the Perro Creek Diversion Structure Overflow. Water quality is also collected at the Greeley Street Inlet and the Perro Creek Diversion Structure on a monthly basis, as well as during storm events.

Additionally, the MSCWMO monitors two lakes, Lily and McKusick for several parameters from April-October. Data is collected on both lakes on a biweekly basis and includes: water level, clarity, pH, temperature and dissolved oxygen profiles, an aesthetics and user profile, and field conditions. Additionally, water quality samples are collected from the surface of the lakes and analyzed for total phosphorus, total Kjeldahl nitrogen, and chlorophyll.

Activities This Month: Stream monitoring has concluded for the year with four base flow grab samples and two storm flow grab samples collected at Greeley St, and two *E. coli* grab samples collected at Perro Diversion Main Channel for the bacteria source tracking project. Lake monitoring on Lily and McKusick has concluded with twelve samples having been collected on each lake. Sample results and data are being analyzed and will be reported in the 2020 Annual Monitoring Summary.

Staff: Rebecca Oldenburg Giebel, WCD

Erosion and Sediment Control Inspections

Description: The MSCWMO has contracted with the WCD to conduct erosion and sediment control inspections for construction projects that have been reviewed and recommended for permit approval by partner communities.

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Activities This Month: Final fall inspection of the 2020 season was completed on the Lake St. Croix Beach Bluff stabilization project. The report was presented earlier in the meeting packet.

Staff: Aaron DeRusha WCD

BMP Maintenance

Description: The MSCWMO has a maintenance obligation for its Capital Improvement Projects and projects funded by Clean Water Fund grants. The MSCWMO partners with the Washington Conservation District to fulfill this maintenance requirement.

November Activities: The 2020 year-end report was completed and presented to the MSCWMO board.

Staff: Cameron Blake, WCD

Meetings

- St. Michael's Cemetery Pre-Application Meeting-November 10th
- Floodplain Vulnerability Assessment-November 13th
- LSCB Bluff –November 20th
- Lily Lake Basin Edits November 23rd