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RCWD BOARD OF MANAGERS WORKSHOP

Monday, March 10, 2025, 9:00 a.m.

**Rice Creek Watershed District Conference Room
4325 Pheasant Ridge Drive NE, Suite 611, Blaine, Minnesota**

or via Zoom Meeting:

<https://us06web.zoom.us/j/87860221120?pwd=214ozbeYcIl0TyqRxq2lLasyyZ12ec.1>

Meeting ID: 878 6022 1120

Passcode: 275200

+1 312 626 6799 US (Chicago)

Meeting ID: 878 6022 1120

Passcode: 275200

Agenda

ITEMS FOR DISCUSSION (times are estimates only)

- 9:00 2024 Public Drainage System and Facilities: Inspection, Maintenance Report, & Recommendations
- 10:00 Regulatory Program Presentation
- 11:00 Administrator Review Process
- Administrator Updates (If Any)

9:00 **2024 Public Drainage System and Facilities: Inspection,
Maintenance Report, & Recommendations**

MEMORANDUM

Rice Creek Watershed District



Date: February 28, 2025
To: RCWD Board of Managers
From: Tom Schmidt, Public Drainage & Facilities Manager
Subject: 2024 Public Drainage System and Facilities: Inspection, Maintenance Report, & Recommendations

Introduction

Annually, District staff present to the Board a review of the program's highlighted work completed, the current year's recommended inspection, maintenance, and repair activities, and forecast the upcoming programs' needs for the coming year.

Background

As the drainage authority, Rice Creek Watershed District (District) is responsible for inspecting and maintaining the public drainage systems (Systems) within its boundary. Staff report to the Board on the past year's activities and program plans for the future. There are 114 miles of Systems across 16 cities.

State statute 103E.705 subd. 1. states that all open drainage ditches shall be inspected by the "Public Drainage Inspector" at a minimum of once every five years. Based on this requirement, an annual schedule exists to track inspections. This inspection frequency is routinely exceeded, with staff completing many more inspections than scheduled. The inspections serve as the basis for the planned maintenance projects. For minor maintenance, the planned maintenance projects are subject to change, pending weather, site conditions, contractor availability, the current remaining budget, and reprioritization. Additionally, The District Engineer and Drainage and Facilities Manager track the long-term prioritization for large-scale repairs and present each year to the Board to gather consensus on these recommendations.

The Board has traditionally undertaken one major repair per year. The current System underway with this traditional approach is Branches five and six of Anoka County Ditch 53-62 (BRs. 5&6 ACD 53-62). Following this protocol, it would be constructed in 2025/2026.

Staff are not forecasting major increases or decreases in next year's budget to address anticipated Systems inspection and maintenance needs. However, this is subject to change pending this year's Inspections.

The District Facilities (Facilities) program consists of operating and maintaining water management structures and property constructed and/or owned by the District. The District is responsible for 31 facilities. Staff will continue inspection, operation, and maintenance for each facility. (Maintaining operating facilities may also be an obligation under initial funding, grants.) In addition to the grant obligations, systematically managing facilities protects the public's investment in the facility to improve water quality and or flood mitigation. Additionally, staff continue to evaluate the District Facilities for their continued contributions to fulfilling the District's Watershed Management Plan (WMP) and will make recommendations to the Board as needed. As the facilities age, staff forecast an increase in the overall facilities budget to address ongoing vegetation maintenance, equipment failure, and unforeseen repairs.

Attachments

- 2024 Drainage Inspection Report.
- Summary of public drainage system status_2025-02-28



RCWD

RICE CREEK WATERSHED DISTRICT

PUBLIC DRAINAGE SYSTEM INSPECTION AND MAINTENANCE REPORT

2024



Tom Schmidt

RCWD Drainage & Facilities Manager/Public Drainage Inspector

Rice Creek Watershed District

2024 INSPECTION AND MAINTENANCE REPORT

The Rice Creek Watershed District, as the Drainage Authority for all public drainage systems within its boundary, is required by the Minnesota Board of Water and Soil Resources to report on drainage system activities, including inspections performed and buffer strips installed, for the previous year. This report both provides the basis for fulfilling that requirement and provides the RCWD Board of Managers with a concise summary of the previous year's drainage system activities. The contents of this report will be used to plan for the upcoming year's maintenance activities and to provide for a predictable and orderly program of inspection and maintenance of the District's drainage assets.

Per Minnesota statute 103E.067:

The drainage authority shall annually submit a report to the Board of Water and Soil Resources for the calendar year, including:

- (1) The number and types of actions for which viewers were appointed.*
- (2) The number of miles of buffer strips established according to section 103E.021;*
- (3) The number of drainage system inspections conducted; and*
- (4) The number of violations of section 103E.021 identified and enforcement actions taken.*

This information will be submitted to the Board of Water and Soil Resources in March of 2025 per statute and guidance from BWSR.

In 2024, 60 inspections on 16 of the 22 systems were performed. 45 Maintenance projects on 15 systems were completed. This report contains examples of some of the work completed in 2024 and planned maintenance projects for 2025. Notably, 2024 was one of the wettest years on record for the Twin Cities region overall. A very dry and warm (until March) winter preceded an extremely wet spring/early summer. June was particularly wet, recording around 7.27 inches of rain, making it one of the wettest months on record for the area, followed by a dry and hot late summer /fall. These conditions likely contributed to 2024 being a prolific year for Beaver activity. (By a large margin, the most activity I have seen in my 17 years with RCWD).

Any questions or comments regarding the content of this report can be submitted to:

Tom Schmidt

Drainage & Facilities Manager

Rice Creek Watershed District

4325 Pheasant Ridge Dr. NE, Suite #611

Blaine, MN. 55449

763-398-3076

tschmidt@ricecreek.org

RCWD Drainage System Inspection Schedule						
			Inspection Type	X	- repair completed or scheduled	
2024			Level 1		- Level 2 and 3 inspections completed	
			Level 2			
			Level 3			
			X in box means completed			
Drainage System	Branch	System Type	Inspection Priority	2023	2024	2025
ACD 10-22-32	Main Trunk	Open Channel	High	X	X	
	Branch 1	Open Channel		X		
	Branch 1a	Open Channel				
	Branch 2	Open Channel		X		
	Branch 3	Open Channel		X		
	Branch 4	Open Channel		X		
	Branch 4a	Open Channel		X		
ACD 15		Open Channel			X	
ACD 25		Open Channel				
ACD 31	Main Trunk and Branch 2	Open Channel	High	X	X	
	Remaining Branches	Open Channel				
ACD 46	Main Trunk and Branch 3	Open Channel	High	X	X	
	Remaining Branches	Open Channel				
ACD 53-62	Main Trunk	Open Channel	High	X	X	
	Branch 1	Open Channel	High	X		
	Branch 2	Open Channel		X		
	Branch 3	Open Channel				
	Branch 4	Open Channel				
	Branch 5	Open Channel				
	Branch 5 Lateral 1	Open Channel				
	Branch 5 Lateral 2	Open Channel				
	Branch 6	Open Channel				
ACD 55		Tile	Annually	X	X	
ACD 72		Tile	Annually	X	X	
ARID 1	Main Trunk	Open Channel	High	X	X	
	Branch 1	Open Channel		X		
	Branch 2	Open Channel	High	X	X	
	Branch 3	Open Channel		X		
	Branch 4	Storm Sewer			X	
	Branch 5	Open Channel		X		
AWJD 3	Main Trunk and Branch 3	Open Channel	High	X	X	
	Remaining Branches	Open Channel			X	
JD 4	Main Trunk	Open Channel	High	X	X	
	Main Trunk	Tile			X	
	Branch 2	Open Channel				
	Branch 3	Tile		X	X	
	Branch 4	Tile Outlet			X	
RCD 1	Main Trunk	Open Channel				
RCD 2		Open Channel	High	X	X	
		Storm Sewer			X	
RCD 3		Storm Sewer outlet only	Annually		X	
RCD 5		Open Channel			X	
		Storm Sewer				
RCD 4		Open Channel			X	
		Storm Sewer	xfered to Roseville			
RCD 8		Open Channel				
RCD 11	Main Trunk	Open Channel				
RWJD 1	Main Trunk	Open Channel				
WJD 2	Main Trunk	Open Channel	High	X	X	
	Branch 1	Open Channel				
	Branch 2	Open Channel				
	Branch 3	Open Channel				
	Branch 4	Open Channel				
WJD 5		Tile		X		
WJD 7		Tile		X		
Open Channel						
Level 1 inspection – View from road crossings and at known problem areas. Schedule: every year (high priority), every five years (normal priority), or in response to a complaint						
Level 2 inspection – Aerial drone survey or walking survey. Schedule: Every 5 years (high priority), every 10 years (normal priority), or one year following a major repair						
Tile Lines						
Level 1 inspection – View tile inlets and outlets and known problem areas. Schedule: Yearly or in response to complaints						
Level 2 inspection – Telesive roadway crossings (where feasible/accessible) Schedule: Every 10 Years or as needed						
Level 3 inspection – Field survey of tile (where accessible) Schedule: Following a major repair						
Storm sewer						
Level 1 inspection – Check outlets and known problem areas. Schedule: every year or in response to complaints						
Level 2 inspection – Full televising of storm sewer. Schedule: immediately preceding and following reconstruction/replacement.						
Level 3 inspection – Field survey of inverts. Schedule: immediately following reconstruction/replacement.						

Examples of site conditions
discovered during Inspections



WJD 2
Hugo

Left: Remnant Beaverdam
north of County Road 4 at
Nimczyk's Before Removal.

Below Left: looking upstream
from Beaver Dam west of Hwy
61.



Examples of Maintenance
Work completed in 2024

**WJD 5
Forest Lake**

Left: Tile replacement.
Between 195th and County
Road 50

Below: Inspection port and
private tile connection.



ACD 10-22-32

Columbus

Left: Beaver Dam Removal
Between Jodrell Near
Wagoman's and the Natural
Gas Pipeline

Below: During the removal of
Beaver Dam on the private
crossing culvert at
Wagoman's



2025 Recommended Drainage System Maintenance*

***(SUBJECT TO CHANGE)**

ACD 53-62

- Branch 1 excavation east of Lexington Ave to Main Street

ACD 72

- Branch 11 Lateral 4a west of 35E replacement of existing clay tile with HDPE Replace Inspection port.

ARJD 1

- A – Main trunk tree & brush removal from County Road J to 93rd Ave.
- B – Branch 2 excavation; Restwood Rd. to Flowerfield Rd. and Naples to 35W

AWJD 4

- Main Trunk and Branch 2 excavation and tree mowing north of 195th Street N

ACD 10-22-32

- Branch #4 from 4th Ave. to Pine Street brush mowing and channel excavation.
- Branch #2 from 4th Ave street to East of Black duck at the stormwater pond. Brush mowing and excavation as needed.
- The main branch at Main Street (Robinson Landscaping) excavate emergent cattails from near the County Road14 culvert, which will require a long-reach excavator.
 - Main branch Lilac to Prison Road excavate emergent cattails.
 - Main branch 4th Ave. to Airpark excavate debris and associated sediment. Which will also require a long-reach excavator.

AWJD 4

- Main Trunk and Branch 2 excavation and tree mowing north of 195th Street N

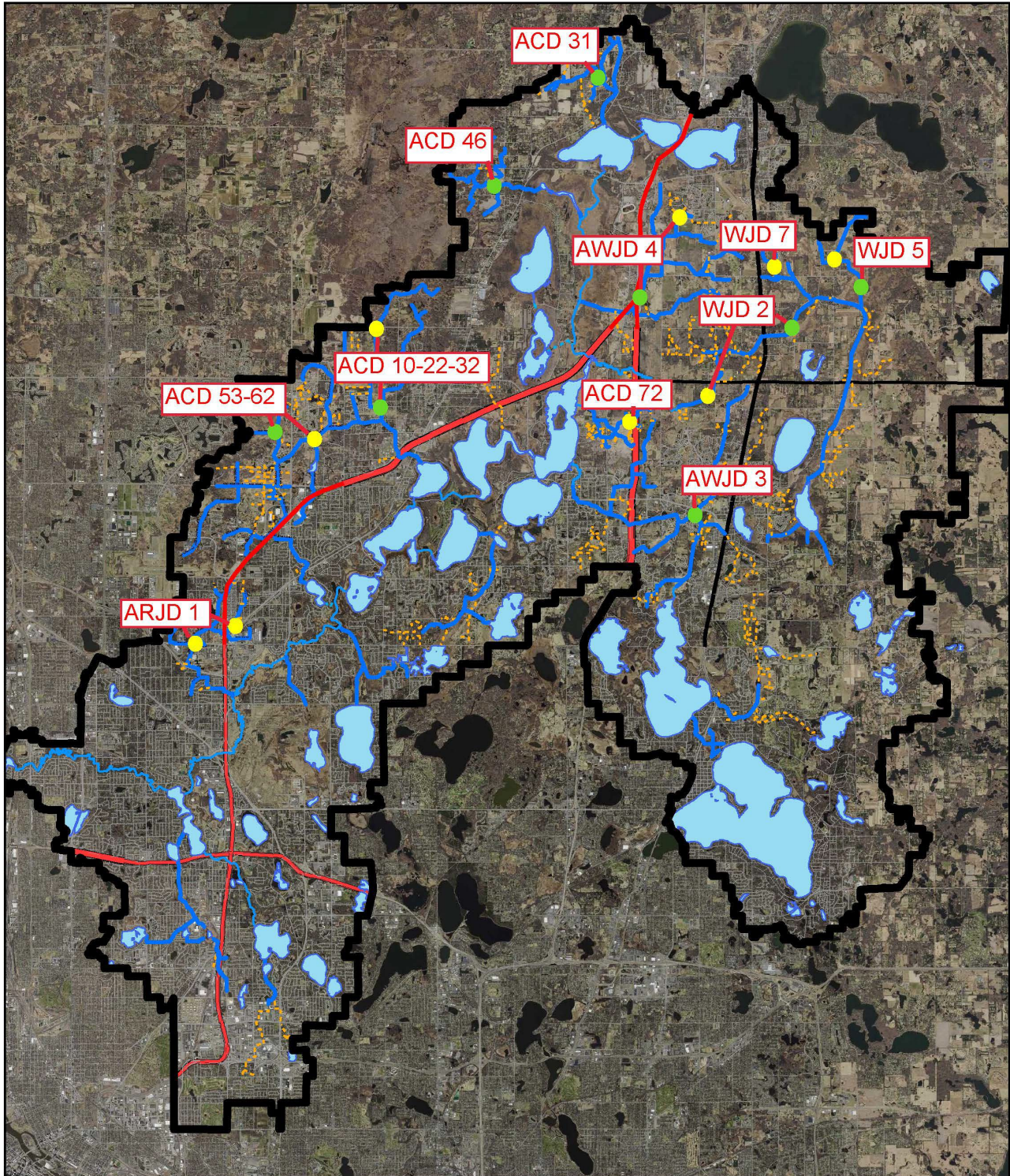
WJD 7

- Main trunk replacement of existing clay tile with HDPE north of 190th St N

Right-of-Way Maintenance (as possible based on weather and site conditions)

- ACD's 10-22-32, 31, 46, 53-62
- AWJD's 3, 4
- WJD's 2, 5

*See attached map for general locations.



Legend

- | | |
|---|--|
|  Public Watercourse |  Recommended Maintenance |
|  Public Ditch |  Right-of-way Maintenance |
|  Private Constructed Channel | |
|  Private Natural Waterway | |

REPAIR STATUS OF RCWD PUBLIC DRAINAGE SYSTEMS

Updated 2025-02-28

Drainage System	Approximate Location	Probable Method for Future Repair	Primary Type of System (tile or open channel)	Detailed As Constructed Historical Review	Drainage Proceedings / Correct the Drainage System Record	Repair Report / Memorandum	Construction of Repair	On Going Maintenance	Next Steps
A/R JD 1, Br. 1, 2 & 3	Mounds View	Repair / Minor Maintenance	Open Channel	2013	2014	2025-2026	2027-2028		Repair report/public info meeting
A/R JD 1, Br. 4 & 5	Mounds View	Minor Maintenance	Open Channel	2013	2014	2015 (Branch 4 only)	2016 (Br4); 2019(Br 5)		Routine inspection/maintenance
A/R JD 1, MT	Mounds View	Minor Maintenance	Open Channel	2013	2014				Routine inspection/maintenance
A/W JD 3, Br. 1, 2 & 4	Hugo / Lino Lakes	Minor Maintenance	Open Channel	2015	2015	2018/2022	2023-2024		Finalize bid package; Coordinate with adjacent landowners
A/W JD 3, Lower MT	Hugo / Lino Lakes	Repair / Minor Maintenance	Open Channel	2015	2015	2023-2024	2026-2027		Repair report; Investigate outside funding options
Upper MT & Br. 3	Hugo / Lino Lakes	Minor Maintenance	Open Channel	2015	2015	2018	2020		Routine inspection/maintenance
ACD 10-22-32	Lino Lakes / Columbus	Minor Maintenance	Open Channel	(Functional grade)	2010/2022	2010	2013	2023	
ACD 15 / JD 4	Forest Lake / Columbus	Minor Maintenance	Open Channel/Tile	2008		2009	(Main Trunk/Lower Tiles)		
ACD 25	Lino Lakes	Minor Maintenance	Open Channel	2022	2022				Routine inspection/maintenance
ACD 31	Columbus	Minor Maintenance	Open Channel	2009/2014	2015	2015	2016-2017		Work on lowering of pipeline; continued follow-up maintenance
ACD 46	Columbus	Minor Maintenance	Open Channel	2009/2014	2015	2015	2016-2017		Continued follow-up maintenance
ACD 53-62 Branch 1	Blaine / Circle Pines	Minor Maintenance	Open Channel	2014	2012	2013	2014-2015		Continued follow-up maintenance
ACD 53-62 Branch 2	Blaine / Circle Pines	Minor Maintenance	Open Channel	2014	2012	2016	2017		Continued follow-up maintenance
ACD 53-62 Branch 5	Blaine / Circle Pines	Repair / Minor Maintenance	Open Channel	2014	2012	2023-2024	2025-2026		Repair report/public info meeting
ACD 53-62 Branch 6	Blaine / Circle Pines	Repair / Minor Maintenance	Open Channel	2014	2012	2023-2024	2025-2026		Repair report/public info meeting
ACD 53-62 Lower MT	Blaine / Circle Pines	Minor Maintenance	Open Channel	2014	2012	2020	2022-3		Continued follow-up maintenance
ACD 53-62 Upper MT	Blaine / Circle Pines	Minor Maintenance	Open Channel	2014	2012				Spot Maintenance
ACD 55	Lino Lakes / Centerville	Minor Maintenance	Tile	2012	2013	2014			partially abandoned as development occurs; continue to monitor for blow-
ACD 72	Lino Lakes	Minor Maintenance	Tile	2013	2014	2014			abandoned as development occurs; continue to monitor for blow-outs
R/W JD 1	White Bear Twp.	Repair / Minor Maintenance	Open Channel	2020	2021	2026	2028		Complete repair report
RCD 1	Shoreview	Minor Maintenance	Open Channel	2023	2024-2025				Complete public hearing and order reestablishment of records
RCD 11	White Bear Twp.	Minor Maintenance	Open Channel	2019	2020				
RCD 2, 3, 5	Brighton/ St. Anthony	Minor Maintenance	Open Channel / Storm Sewer	2013	2018				Complete project peition process
RCD 4	Roseville/ Arden Hills	Repair / Minor Maintenance	Open Channel	2017	2020	2023	2025		Final payment and project closeout
RCD 8	Shoreview	Minor Maintenance	Open Channel	2021	2022				Prepare Historical Review Memorandum
W JD 2 Branch 1	Hugo / Forest Lake	Minor Maintenance	Open Channel	2001		2017	2019		Continued follow-up maintenance and inspection
W JD 2 Branch 2	Hugo / Forest Lake	Minor Maintenance	Open Channel	2001		2017	2021		Continued follow-up maintenance and inspection
W JD 2 Main Trunk	Hugo / Forest Lake	Minor Maintenance	Open Channel	2001					Continued inspection and maintenance
W JD 5	Forest Lake	Minor Maintenance	Tile	2014	2016	2020		2024	Complete repair on downstream portions of system
W JD 7	Forest Lake	Minor Maintenance	Tile	2014	2016				Continue to replace segments of tiles as blow-outs occur

Legend

Completed
In Progress
Forecasted (with estimated year)

Probable type of Repair

Repair Followed by Minor Maintenance
Minor Maintenance

Prioritization / Funding Notes

1. Prioritization generally follows latest long-range CIP planning schedule
2. Assumes one system-wide repair per year (approx. \$500,000-1,000,000)
3. Roughly \$10,000 per system per year (average) spent for minor maintenance

Factors Considered to Define Work as "Maintenance"

1. The as-constructed and subsequently improved condition determination is available, and therefore work can be completed at select locations within the system (rather than the entire system) and provide the necessary drainage function
2. The need for wetland or other types of mitigation to complete the work is generally lacking .
3. The work generally excludes system-wide culvert replacement.
4. Anticipated construction cost can reasonably be spread across several years, and generally is near the cost of establishing and administering a WMD
5. The work is consistent with the Board-authorized public drainage system maintenance budget.

Cost/Funding Notes

1. Systems where future repair is indicated as "minor maintenance" are expected to be funded by the District annual drainage system budget. Each system indicated as "Repair" will require a future repair report .
2. Estimated costs are subject to change. Repair costs are based on the latest repair report, with 3% cost inflation factored in.

10:00 Regulatory Program Presentation

MEMORANDUM

Rice Creek Watershed District



Date: March 3rd, 2025
To: RCWD Board of Managers
From: Patrick Hughes, Regulatory Manager
Subject: Regulatory Program Presentation

Introduction

The Board of Managers wants to continue discussing the regulatory program after the recent 2024 rule revision effort.

Background

When the Board of Managers adopted the revised rule at the November 13, 2024 regular meeting, the Board expressed wanting to continue conversations on the rule standards. The Board wanted to see a comparison between the RCWD rules, the MS4 minimum standards, and the cities in the District. Staff have developed a presentation covering:

- The purpose of the regulatory program
- Components of the regulatory program
- The rule obligations and opportunities
- Comparison with other local agencies
- The future of the program

In addition to the presentation, this agenda items includes a table comparing the RCWD rules to the MS4 minimum control measures and another table comparing RCWD's stormwater and erosion/sediment control rule triggers with 10 cities within the District and all 7 watershed districts that are adjacent to RCWD.

Staff Recommendation

Staff seek input from the Board of Managers on the rule and any potential revisions they would like staff to investigate for further discussion.

Attachments

- Comparison of MS4 Requirements to RCWD Rules table
- Rule Trigger Comparison with Other Agencies table

COMPARISON OF MS4 REQUIREMENTS TO RCWD RULES

Topic	MS4 Rule	MS4 Requirement	RCWD Rule	RCWD Rule	RCWD Rule more stringent, identical, or similar	Why District has a more stringent Rule
Area of Regulation	All	Regulate over MS4 discharge area (i.e. public drainage systems)	All	Regulate over entire watershed district	More	The rationale for the District's rules applies to the entire District in achieving WMP goals. The same issues/concerns exist outside of the MS4 discharge area.
Illicit Discharge	18	Prohibits illicit discharges	H	Prohibits illicit discharges	Identical	
Erosion/Sediment Control Trigger	19.2	Land disturbance > 1 acre, part of larger common plan	D(2)(a)	1) Disturb > 1 acre; 2) Disturb > 10,000 ft ² and within 300 ft of lake, stream wetland, public water; 3) Land disturbing activity that requires RCWD permit under other rule	More	Direct discharges to a resource of concern have a substantial impact to WQ
Permit requirements	19.3	As stringent as NPDES General Permit	D(5)	NPDES General Permit	Identical	
Post-Construction Stormwater Management	20.2	Land disturbance > 1 acre, part of larger common plan (Same as 19.2)	C(2)	Public Linear: Disturb 1 acre; Non-public linear: Subdivision greater than 1 acre, Development that constructs or reconstructs > 10,000 sf impervious	More	Addresses need for stormwater management on small commercial sites. For comparison, 10,000 sf = 3 dump trucks of water; 1 acre = 13 dump trucks of water. Cumulative impacts can occur impacting neighboring properties and intensifying downstream flooding and WQ issues
Water quality treatment trigger (Non-Public-Linear)	20.5	New and reconstructed impervious surface greater than 1 acre	C(2)	Subdivision greater than 1 acre, Development that constructs or reconstructs > 10,000 sf impervious	More	Addresses need for stormwater management on small commercial sites. For comparison, typical fast food franchise = 24,000 sf.
Water quality treatment trigger (Public Linear)	20.5	New and reconstructed impervious surface greater than 1 acre	C(2)	New and reconstructed impervious surface greater than 1 acre	Identical	
Water quality volume (Non-Public-Linear)	20.6	1" x new and reconstructed impervious	C(6)	1.1" x new and reconstructed impervious; TP Removal Factor and NURP standard applied when not infiltration	More	RCWD research identified 1.1" volume as critical. District has a distinct need for volume reduction to prevent flooding and align with existing capacity of conveyance systems; non-infiltration practices are less efficient. Other adjacent WD's have similar challenges and requirements.
Water quality volume (Public Linear)	20.7	Greater of 1" x new impervious OR 0.5" x new/reconstructed impervious	C(6)	Greater of 1" x new impervious OR 0.5" x new/reconstructed impervious	Identical	
Treatment practice choice	20.8	Volume reduction (infiltration) must be considered first	C(6)(d)(2)	Infiltration has to be used if "feasible"	Similar	

COMPARISON OF MS4 REQUIREMENTS TO RCWD RULES

Topic	MS4 Rule	MS4 Requirement	RCWD Rule	RCWD Rule	RCWD Rule more stringent, identical, or similar	Why District has a more stringent Rule
Infiltration prohibitions	20.9	"Infiltration systems must be prohibited when": A) Areas that receive discharge from vehicle fueling and maintenance areas; B) High levels of contaminants present; C) Soil infiltration rate > 8.3 in/hr; D) Less than 3' separation from bottom to seasonal high-water table; E) Predominantly HSG D soils; F) In high-vulnerability Emergency Response Area; In moderate vulnerability ERA unless "higher level of engineering review" done; G) 1,000 ft up-gradient or 100 ft down-gradient of karst feature; J) Receive runoff from entities regulated under NPDES that are industrial in nature	Table C2	"Conditions that may restrict infiltration": A) Potential stormwater hotspots; B) Contaminated soils; C) Low permeability soils; D) bedrock within 3' of bottom; E) Seasonal high-water table within 3' of bottom; F) Karst areas; G) Utility locations; H) Nearby wells	Similar	
DWSMA Restrictions	20.9	Infiltration prohibited in high-vulnerability areas. In moderate vulnerability locations, "higher level of engineering review" required.	None (ER Template)	In moderate vulnerability areas, infiltration allowed in ERA with written permission of public water supplier with authority over wellhead protection	Similar	
Off-Site Treatment Hierarchy (Non-public linear projects)	20.11	A) Locations that would yield benefits to same receiving water; B) Locations within same DNR catchment; C) Locations in next adjacent DNR catchment upstream; D) Locations anywhere in jurisdiction	C(6)(d)(3)	A) Downstream of project before Resource of Concern; B) Anywhere in same ROC area.	Similar	
Off-Site BMPs (Non-public linear projects)	20.12	Creation of new structural stormwater BMPs; retrofit of existing structural stormwater BMPs; or use of properly designed regional stormwater BMP.	C(5)(a)	Applicant must show BMP was designed and constructed to manage the stormwater runoff from the project site; applicant has permission to use remaining capacity; BMP is subject to maintenance obligations; and it is being maintained to original design.	Similar	
Stormwater Planning	N/A		C.5	Multiple criteria for regional stormwater planning	More (Not part of MS4)	Rule provides opportunity for regional stormwater management. Municipalities and developers have found this helpful when addressing multiple parcels of development/redevelopment occurring over time and/or shared infrastructure
Stormwater Runoff Rate Management	N/A		C.7	Multiple criteria for preserving runoff rate	More (Not part of MS4)	MS4 program is focused on WQ. Rate control is for flood management and management of SW conveyance systems. District is uniquely situated to comprehensively review stormwater rate management in the District through DWM, subwatershed studies, etc.

COMPARISON OF MS4 REQUIREMENTS TO RCWD RULES

Topic	MS4 Rule	MS4 Requirement	RCWD Rule	RCWD Rule	RCWD Rule more stringent, identical, or similar	Why District has a more stringent Rule
Stormwater management in areas historical lacking stormwater rate controls	N/A		C.7(c)	Requires runoff rate reduction in flood management zone	More (Not part of MS4)	Recognition that delaying peak discharge to the lower portions of Rice Creek will preserve storage in the peak flood window
Flood protection on structures	N/A		C.9(g)	Provides freeboard requirements for new and existing structures	More (Not part of MS4)	Evaluation of the potential of structural flooding goes hand-in-hand with stormwater rate requirements. Proposed rule removes some measure of District freeboard regulation to reduce duplication of city regulation under federal flood insurance program.
Floodplain fill	N/A		E	Floodplain fill must be mitigated through creation of equivalent flood volume	More (Not part of MS4)	Due to the availability of the District Wide Model, the RCWD is uniquely situated to preserve floodplain storage, much of which is along the public drainage system and trunk conveyance systems
Wetland preservation	N/A		F	District administration of Wetland Conservation Act (WCA)	More (Not part of MS4)	District is obligated to administer the WCA. District developed CWPMPs to enable greater flexibility for applicants while promoting deliberate wetland corridor management
Regional Conveyance Systems	N/A		G	Requires review of capacity for culverts, bridges, and other conveyance systems of a regional scale	More (Not part of MS4)	Conveyance systems of a regional scale require review by a regional management authority to prevent inadvertent impacts (particularly to other communities). Key component of Trunk Conveyance System management. District Wide Model is a critical component in understanding the effect of proposed changes.

COMPARISON OF MS4 REQUIREMENTS TO RCWD RULES

Topic	MS4 Rule	MS4 Requirement	RCWD Rule	RCWD Rule	RCWD Rule more stringent, identical, or similar	Why District has a more stringent Rule
Public Drainage Systems	N/A		I	Requires review of work in the MS 103E public drainage system	More (Not part of MS4)	RCWD as drainage authority is obligated to review work in and along the drainage system. Submittals for review would not occur without current permit requirements
Appropriation of Public Waters	N/A		J	Review review of appropriation of public waters	More (Not part of MS4)	Statutory Obligation

Rule Trigger Comparison With Other Agencies

Agency	Stormwater Rule*	Comparison to RCWD	Erosion/Sediment Control Rule*	Comparison to RCWD
Arden Hills	References RCWD rule standards	Same	2,500 square feet or 50 cubic yards	More stringent
Blaine	One acre of new/reconstructed or land disturbance; encourages BMPs when smaller than an acre	Less stringent	100 cubic yards of removal/reclamation/storage/fill	More stringent
Columbus	Same language as 2020 RCWD rules	Same	Same language as RCWD rules	Same
Fridley	5,000 square feet of new/reconstructed	More stringent	5,000 square feet, 1,000 square feet or 10 cubic yards of material within water quality impact zone	More stringent
Forest Lake	One acre of new/reconstructed	Less stringent	Presumably one acre	Less stringent
Lino Lakes	10,000 square feet; or when disturbance would cause adverse impact	Similar, more stringent	10,000 square feet; or when disturbance would cause adverse impact	More stringent
Mahtomedi	Building, subdivision, land disturbance one acre or greater	Less stringent	One acre	Less stringent
New Brighton	10,000 square feet of new/reconstructed	Same	6,000 square feet of land disturbance; 100 cubic yards of cut/fill	More stringent
Roseville	5,000 square feet of new/reconstructed or half-acre or more of disturbed area	More stringent	5,000 square feet or 50 cubic yards	More stringent
White Bear Lake	10,000 square feet of new/reconstructed	Same	6,000 square feet of land disturbance; 100 cubic yards of cut/fill	More stringent
Brown's Creek WD	10,000 square feet of new/reconstructed, 6,000 square feet and contributing to groundwater-dependent natural resource, subdivision of four or more lots	More stringent	5,000 square feet or 50 cubic yards	More stringent
Capitol Region WD	One acre of new/reconstructed	Less stringent	One acre	Less stringent
Carnelian Marine WD	One acre or 5% of a site whichever is less, 5,000 square feet within 1,000 feet of and tributary to groundwater-dependent natural resource, subdivision of four or more lots	More stringent	One acre or one quarter acre if within 1,000 feet of and tributary to a groundwater-dependent natural resource	Similar
Comfort Lake WD	5,000 square feet, subdivision into 3 or more lots	More stringent	5,000 square feet or 50 cubic yards	More stringent
Coon Creek WD	10,000 square feet, 5,000 square feet when within 1 mile and drains to impaired water	More stringent	One acre, 10,000 square feet within 300 feet of and draining to waterbody, 5,000 square feet within 50 feet of and draining to waterbody	Similar, slightly more stringent
Ramsey Washington WD	One acre of new/reconstructed	Less stringent	One acre or any activity greater than 1,000 square feet and adjacent to a water body	Similar, more stringent
Valley Branch WD	6,000 square feet of new/reconstructed	More stringent	References Minnesota Stormwater Manual; one acre	Less stringent

* Captures the spirit of the agency's rule/code and is not the entire rule/code language