## NUTRIENT WORK GROUP MEETING SUMMARY February 26, 2024

### 2:30 p.m. – 4:30 p.m. Hybrid Meeting: Zoom and DEQ Room 45

## ATTENDANCE: NUTRIENT WORK GROUP MEMBERS

Representative & Affiliation	Representing
Louis Engels (Kelly Lynch Substituting)	Point Source Discharger: Large Municipal
City of Billings	Systems (>1 MGD)
Shannon Holmes	Point Source Discharger: Middle-Sized
City of Livingston	Mechanical System (<1 MGD)
Rika Lashley	Point Source Discharger: Small Municipal
Morrison-Maierle	Systems with Lagoons
Alan Olson	Point Source Discharger: Non-POTW
Montana Petroleum Association	
Kelly Lynch	Municipalities
Montana League of Cities and Towns	
Matt Vincent	Mining
Montana Mining Association	
Ellie Brighton	Livestock-Oriented Agriculture
Montana Stockgrowers Association	
Guy Alsentzer	Environmental Advocacy Organization
Upper Missouri Waterkeeper	
Kristin Gardner	Conservation Organization: Local
Gallatin River Task Force	
Andy Efta	Federal Land Management Agencies
U.S. Forest Service, Northern Region	
Tina Laidlaw	Federal Regulatory Agencies
U.S. Environmental Protection Agency	
Jeff Schmalenberg	State Land Management Agency
Department of Natural Resources & Conservation	
Nick Banish	County Water Quality Districts or Planning
Gallatin Local Water Quality District	Departments
Dan Rostad	Soil and Water Conservation Districts – East
Yellowstone River Conservation District Council	of the Continental Divide
Scott Buecker	Wastewater Engineering Firms
AE2S	

## **NOT IN ATTENDANCE: NUTRIENT WORK GROUP MEMBERS**

Representative & Affiliation	Representing
Karli Johnson	Farming-Oriented Agriculture
Montana Farm Bureau Federation	

Representative & Affiliation	Representing
Sarah Zuzulock	Conservation Organization: Local
Zuzulock Environmental Services	
David Brooks	Conservation Organization: Statewide
Montana Trout Unlimited	
Pete Cardinal	Water or Fishing-Based Recreation
Pete Cardinal Outfitters	
Samantha Tappenbeck	Soil and Water Conservation Districts –
Flathead Conservation District	West of the Continental Divide
Julia Altemus	Timber Industry
Montana Wood Products Association	

## **ATTENDANCE: OTHER PARTICIPANTS**

Abby Indreland, WGM Group Alanna Shaw, DEQ, MPDES Section Supervisor Amelia Flanery, DEQ, Surface Water Discharge Permitting Amy Deitchler, Great West Engineering Andrew Gorder, Clark Fork Coalition Andy Ulven, DEQ, Water Quality Planning Bureau Chief Brian Heaston, City of Bozeman Casey Lewis, Flathead Basin Commission Executive Director Christina Staten, DEQ, TMDL Section Supervisor Christopher Dorrington, DEQ, Director Darrin Kron, DEQ, Monitoring and Assessment Section Supervisor Drew Shafer, Gallatin Local Water Quality District Ed Coleman, City of Helena Eric Sivers, DEQ, Policy Analyst Erik Makus, EPA, Federal Regulatory Agency Gabe Johnson, Spring Creek Mine Hannah New, DEQ, Surface Water Discharge Permitting Hannah Riedl, DEQ, Nonpoint Source and Wetlands Section Supervisor Heather Henry, DEQ, TMDL Water Quality Scientist Jason Fladland, City of Great Falls Jason Mohr, Legislative Services Executive Director Jeff May, DEQ, Surface Water Discharge Permitting Jeremy Perlinski, Robert Peccia & Associates Joe Lierow, ExxonMobil Billing Refinery John Iverson, Treasure State Resources Association Josh Katherine Berry Katie Makarowski, DEQ, Standards and Modeling Section Supervisor Kevin Grabinski Kristi Kline, Montana Rural Water Systems Kurt Moser, DEQ, Legal Counsel Kyle Milke, DEQ, Adaptive Management Program Scientist Leea Anderson, City of Helena Lindsey Krywaruchka, DEQ, Water Quality Division Administrator

Mark Ockey, DEQ, Water Quality Specialist Matt Wolfe, Sibanye Stillwater Michael Suplee, DEQ, Water Quality Standards and Modeling Moira Davin, DEQ, Public Information Officer Myla Kelly Russ Miner, Montana State Legislator Ryan Urbanec, USDA Sam Carlson, Clark Fork Coalition Shawn Kohtz, City of Bozeman Tatiana Davila, DEQ, Water Protection Bureau Chief Toria Haraldson, DEQ, Water Quality Specialist Trevor Selch, Montana Fish, Wildlife and Parks Vicki Marquis, Holland and Hart Vicki Watson, University of Montana Watershed Clinic Xiang Fan, Gallatin Local Water Quality District

## **MEETING PURPOSE / OBJECTIVES**

**Meeting Purpose:** Discuss the new rulemaking timeline, reasonable potential analysis, and have a Q&A session to answer questions on the rulemaking documents.

#### **Rulemaking Timeline Update**

#### **Reasonable Potential Analysis**

**Rulemaking Documents Q&A** 

#### **Public Comment & Close of Meeting**

Public Comment

## **MEETING HIGHLIGHTS / DECISIONS MADE**

- Rule package timeline
  - DEQ has provided more time for NWG members to review the rule package
  - The rule package is based on sound science and does include the use of numbers
  - The Adaptive Management Program is the solution
  - This rulemaking effort is for nutrient standards and the Adaptive Management Program, not how this will look in permits
- Reasonable potential analysis
  - DEQ will use a qualitative reasonable potential approach that leverages the "weight of evidence" narrative standard proposed in Circular DEQ-15
  - The point of permit compliance is at the point of discharge ("end of pipe"), the point of standard evaluation is at the near-field downstream site

## **MEETING INITIATION**

Moira Davin, DEQ, Public Information Officer and meeting facilitator, welcomed everyone to the meeting at 2:34 p.m. Moira Davin went over meeting logistics (slide 2, **Attachment A**), the meeting

agenda (slide 3, **Attachment A**), and took a roll call of NWG members present either via Zoom or in Room 45 of the DEQ Metcalf Building in Helena (slide 4, **Attachment A**).

Moira Davin handed it over to Christopher Dorrington, DEQ, Director, to give a brief update. After the Water Policy Interim Committee (WPIC) and Environmental Quality Council (EQC) meetings, DEQ heard loud and clear that Nutrient Work Group (NWG) members wanted more time to review the rule package documents and more meetings, and we have provided that. DEQ has been working on the rule package for several years and it is based on sound science. This rule package is implementable under both state and federal law. DEQ continues to work with the Environmental Protection Agency (EPA) to iron out a set of implementable rules that work and are ultimately approvable. DEQ still believes the Adaptive Management Program is the solution and continues to work with the NWG on it. Looking back at the law prior to 2021, we always knew that we would need to rely on the science of Circular DEQ-12A, we cannot get away from there being numbers somewhere in the process. DEQ still believes that the Adaptive Management Program is a great and final solution.

## **RULEMAKING TIMELINE UPDATE**

Lindsey Krywaruchka, DEQ, Water Quality Division Administrator, discussed the rulemaking timeline updates (slide 6, **Attachment A**). It is important that since the last NWG meeting was in November 2023, to provide an update and fill in a few of the blanks. Lindsey Krywaruchka then walked through the various dates of the timeline (slide 6, **Attachment A**). She noted that DEQ was asked for more time, and in the spirit of teamwork, DEQ said yes. Since November 2023 DEQ has made small changes to wording to add clarity. Lindsey Krywaruchka made the distinction that the NWG has spent a lot of time talking about how this will be applied in permits, but this rulemaking effort is separate from that. This rule package is a standard and the Adaptive Management Program. There have been many great conversations on the side about what this will look like in a permit. When this rule package passes, then we can work on what this will look like in a permit. DEQ has allowed as much time as possible; there is a blackout period starting in October of even years.

Lindsey Krywaruchka highlighted that between April 29<sup>th</sup> and June 10<sup>th</sup> there is still time to make changes. October 4<sup>th</sup> is the last day to publish in the Montana Administrative Record (MAR).

## **REASONABLE POTENTIAL ANALYSIS**

Moira Davin turned it over to Alanna Shaw, DEQ, Montana Pollutant Discharge Elimination System (MPDES) Section Supervisor, to discuss reasonable potential analysis (RPA) (slides 8–23, **Attachment A**).

Part of the permitting process is determining whether or not a facility has "reasonable potential to cause or contribute to an excursion above any State water quality standard, including State narrative criteria for water quality," for all identified pollutants of concern, including nutrients, also called RPA (slides 8–10, **Attachment A**).

Quantitative RPA uses a mass balance approach with pre-established critical conditions to assess whether a facility has reasonable potential for a pollutant (slide 11, **Attachment A**). This approach is appropriate for concentration-based metrics (like the causal nutrient variables total nitrogen and total phosphorus) but is not appropriate for biological response variables (which are weighted more heavily in the proposed narrative nutrient standard in MT) (slide 12, **Attachment A**).

Because standards evaluation takes place at a near field site for nutrient variables, but the point of permit compliance is at the point of discharge ("end of pipe"), DEQ MPDES intends to use a qualitative reasonable potential approach that leverages the "weight of evidence" narrative standard proposed in Circular DEQ-15. Using this approach, a facility that fails to meet any of the narrative nutrient standard criteria would have reasonable potential for nutrients.

When a facility has reasonable potential for nutrients, a permit limit may be warranted. The aim of this permit limit is to meet the narrative water quality standard as soon as possible. Depending on site specific conditions, this may mean that a facility is capped at it's current permit limit, current performance, or that end of pipe limits are assessed with the goal of attaining the standard in the near field site through the conditions of an Adaptive Management Plan (AMP). Alanna Shaw then walked through a few case study examples of what this might look like in a permit (slides 14–23, **Attachment A**).

Rika Lashley, Morrison-Maierle, asked if Alanna Shaw could define what is meant by "cap at current", which should be cap at current permit limits and not current performance. Rika Lashley also asked what do you cap someone at if they don't have a current permit limit? Alanna Shaw replied that there are certain situations where cap at current performance is more appropriate than the alternative, it is case-by-case. If there is no current permit limit, cap at current performance would be the starting point.

Rika Lashley stated that they do not like cap at current performance. Alanna Shaw agreed that it is not appropriate in every situation.

Sam Carlson, Clark Fork Coalition, asked if there are multiple point sources contributing in a watershed, how does RPA consider multiple contributions? Alanna Shaw replied that since facilities are permitted individually, that is how it would be assessed. Alanna Shaw also acknowledged that there may also be collaborative AMPs. Tatian Davila, DEQ, Water Protection Bureau Chief, asked if Alanna Shaw could speak to the near-field downstream point of compliance versus end of pipe? Alanna Shaw stated that the AMP will have near-field sites, upstream and downstream. The downstream near-field sites will be where the standard is assessed, while the end of pipe is where permit limits will be applied. The upstream versus downstream site comparison will help DEQ to parse out the contributions from an individual facility.

Matt Wolfe, Sibanye Stillwater, said this was helpful. What would RPA look like for a new discharger? Alanna Shaw stated that DEQ encounters this frequently. DEQ would use whatever data is available for the facility and the receiving water. However, DEQ would lean on the conservative side because we have less data to go on. This is similar to the situation if there is a facility with less data available that isn't new.

## **RULEMAKING DOCUMENTS Q&A**

Moira Davin facilitated the rulemaking documents Q&A (slide 24, **Attachment A**). Lindsey Krywaruchka started off the Q&A session by saying that DEQ is building this rule in consultation with the NWG. She asked if everyone has read the rule? There was no response.

Erik Makus, EPA, asked is RPA going to be in the rule package or internal policy? Lindsey Krywaruchka replied that it won't be a part of this package, it will be separate. DEQ is working through the other pieces, but we do not want to put the cart before the horse.

Nick Banish, Gallatin Local Water Quality District, asked if the  $\Delta$  dissolved oxygen (DO) criteria have changed? Alanna Shaw stated that it is the same as what's in Circular DEQ-15.

Dan Rostad, Yellowstone River Conservation District Council, asked what would existing information be in a new permit? What if there is a 20 year old total maximum daily load (TMDL)? Alanna Shaw replied that there is usually ongoing monitoring going on, so it is more likely to have data for causal variables than response variables. Where DEQ receives an application for a permit, we have requirements for instream monitoring. Darrin Kron, DEQ, Monitoring and Assessment Section Supervisor, added that if DEQ gets an application for a new permit, the MPDES section immediately starts coordinating with the TMDL section. If it is a new facility with no TMDL, but it is on the impaired waters list, DEQ has 180 days to develop a TMDL unless a different timeline can be negotiated with the permittee.

Rika Lashley asked what about a Clark Fork TMDL? Andy Ulven, DEQ, Water Quality Planning Bureau Chief, added that the Clark Fork River has its own site specific standards that would be used for a TMDL update. There may be revisions to the voluntary nutrient reduction program (VNRP) in the future. Rika Lashley stated that she thought is on the list of TMDLs to be revisited since it is over 20 years old. Andy Ulven replied that revising those water quality standards would have to be a separate initiative through the triennial review if there is compelling data to have us revise the standards. DEQ has talked about revising the VNRP due to a new facility applying for a permit at the Frenchtown site.

Rika Lashley asked if the Adaptive Management Program is an option for dischargers on the Clark Fork? Lindsey Krywaruchka replied yes, and that is why we separated it into two separate rules.

Tina Laidlaw, EPA, asked if DEQ could explain how that would work since you functionally have different criteria? Alanna Shaw replied that the Adaptive Management Program would be a compliance option for places like Missoula, but instead of being evaluated against Circular DEQ-15, it would allow for nonpoint source projects in the watershed, they would just be evaluated against the standard and TMDL that is applicable to them.

Sam Carlson asked if there is anything statewide that the Adaptive Management Program does not apply to? Alanna Shaw said that it is a voluntary program and a compliance schedule as a part of a permit. If the permittee does not meet the requirements, the department maintains the authority to remove the option.

Erik Makus asked if it would be applicable to other pollutants, or if it is just focused on nutrients? Alanna Shaw said that it would only be applicable for nutrients. Katie Makarowski, DEQ, Standards and Modeling Section Supervisor stated that it is specifically stated in the new rule that it is only applicable for nutrients.

## FUTURE NWG MEETINGS

Moira Davin covered future NWG meetings (slide 26, **Attachment A**). She highlighted that DEQ is open to other venues for feedback as needed. DEQ values NWG member input and will continue to listen as the rules are implemented. DEQ anticipates that future NWG meetings will be held on an as-needed basis.

## **PUBLIC COMMENT**

Moira Davin opened it up for public comment.

Gabe Johnson, Spring Creek Mine, asked how would the DO standards be applied to an intermittent stream? Michael Suplee, DEQ, Water Quality Standards and Modeling, stated that the standard would be applied. Instruments can be deployed in standing water pools. Mostly all of the streams that we developed the 6 mg/L threshold for in eastern Montana are intermittent streams (which are separate from ephemeral streams).

Gabe Johnson said that he is also looking for sampling guidelines. Michael Suplee said that sampling guidelines are included in the Circular Guidance document and that it has links to DEQ's small instrument deployment standard operating procedure (SOP) and the large instrument SOP. The how, where, and what mechanisms are used to deploy them are all included in documents that you can look at.

Gabe Johnson stated that they have never sampled for DO before. Michael Suplee said that the good news is that the documents you will look at are based on 15 years of data collection, there is good guidance and practical experience in those documents.

Andy Ulven stated that DEQ is happy to meet with Gabe Johnson one-on-one to chat about resources and email them to him directly as well.

Katie Makarowski added that many of DEQ's employees have experience with these methods. We pair training opportunities and written SOPs with people as needed. DO instruments are some of the easiest to use and deploy.

Brian Heaston, City of Bozeman, asked if Circular DEQ-15 Table 2-5 define a sufficient and credible dataset for purposes of reasonable potential? If a minimum dataset doesn't exist, is it feasible to calculate a permit limit? Alanna Shaw said that if there is not sufficient data to conduct a full RPA, DEQ conducts the analysis on whatever data is available. This is not an uncommon situation. This would be a situation where DEQ would do qualitative reasonable potential.

Jason Fladland, City of Great Falls, asked if a municipality currently does not have nutrient limits, what will the starting point be? Alanna Shaw responded that in this situation, it depends. It depends on the condition of the receiving water, concentration of nutrients in the receiving water, ratio of dilution, plus other factors that go into the process, taking into consideration facility performance.

No further questions.

The meeting ended at 3:28 p.m.

## ATTACHMENT A: FEBRUARY 26, 2024 NUTRIENT WORK GROUP MEETING PRESENTATION SLIDES

## Nutrient Work Group

February 26, 2024



# Welcome!

- This meeting is a webinar
- NWG members will be panelists
- Members of the public can raise their hand or use the Q&A feature to ask questions during the public comment portion of the meeting
- \*9 raises your hand if you're on the phone
- State your name and affiliation before providing your comment

<b>Welcome to Q&amp;A</b> Questions you ask will show up here. Only host and panelists will be able to see all questions.
Type your question here
Se Who can see your questions?
Chat Raise Hand Q&A









Leave

## Agenda

Meeting Goal: Discuss the new rulemaking timeline, reasonable potential analysis, and have a Q&A session to answer questions on the rulemaking documents.

# Preliminaries• Nutrient Work Group Roll CallRulemaking Timeline UpdateReasonable Potential AnalysisRulemaking Documents Q&A

## **Public Comment & Close of Meeting**

Public comment



## Roll Call Nutrient Work Group Members

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Interest Group	Representative	Substitute
Point Source Discharger: Large Municipal Systems (>1 MGD)	Louis Engels	
Point Source Discharger: Middle-Sized Mechanical Systems (<1 MGD)	Shannon Holmes	
Point Source Discharger: Small Municipal Systems with Lagoons	Rika Lashley	
Point Source Discharger: Non-POTW	Alan Olson	
Municipalities	Kelly Lynch	
Mining	Matt Vincent	
Farming-Oriented Agriculture	Karli Johnson	
Livestock-Oriented Agriculture	Ellie Brighton	
Conservation Organization - Local	Kristin Gardner	
Conservation Organization – Regional	Sarah Zuzulock	
Conservation Organization – Statewide	David Brooks	
Environmental Advocacy Organization	Guy Alsentzer	
Water or Fishing-Based Recreation	Pete Cardinal	
Federal Land Management Agencies	Andy Efta	
Federal Regulatory Agencies	Tina Laidlaw	
State Land Management Agencies	Jeff Schmalenberg	
Water Quality Districts / County Planning Departments	Nick Banish	
Soil & Water Conservation Districts – West of the Continental Divide	Samantha Tappenbeck	
Soil & Water Conservation Districts – East of the Continental Divide	Dan Rostad	
Wastewater Engineering Firms	Scott Buecker	
Timber Industry	Julia Altemus	



# Rulemaking Timeline Update



**2021 to 2023** - Conceptual review and initial drafting

November 14, 2023 - Final NWG meeting of 2023

December 5, 2023 - Provide materials to WPCAC

**December 13, 2023** - Rulemaking presentation to WPCAC

January 16, 2024 - Rulemaking overview to WPIC

January 26, 2024 - Rulemaking update to WPCAC

March 8, 2024 – Revised rule package to NWG and WPCAC

March 15, 2024 - Rulemaking update to WPCAC

March 18, 2024 - Rulemaking overview to WPIC

April 16, 2024 - File proposal notice with SOS

April 26, 2024 - Proposal notice published in MAR

April 26 - June 10, 2024 - Public comment period

June 10, 2024 - Public hearing

Respond to comments; modify adoption notice



September 24, 2024 - File adoption notice with SOS

October 4, 2024 - Adoption notice published in MAR

## Rulemaking Timeline

\* Dates subject to change

**NWG** = Nutrient Work Group

**WPCAC** = Water Pollution Control Advisory Council

**WPIC** = Water Policy Interim Committee

**SOS** = Secretary of State

**MAR** = Montana Administrative Record





# Reasonable Potential Analysis



DISCHARGING

FACILITY

- 40 CFR 122.44(d)(1)(i)



- 40 CFR 122.44(d)(1)(i)





DISCHARGING

FACILITY

- 40 CFR 122.44(d)(1)(i)



- 40 CFR 122.44(d)(1)(i)



Quantitative RP, calculated using a mass-balance approach, with preestablished critical conditions:  $C_sQ_s+C_eQ_e=C_dQ_d$ 



- 40 CFR 122.44(d)(1)(i)

DISCHARGING FACILITY

Quantitative RP, calculated using a mass-balance approach, with preestablished critical conditions:  $C_sQ_s+C_eQ_e=C_dQ_d$ 

This approach is workable for causal variables, but not for response variables.





**Ecoregion:** 17. Middle Rockies **Stream Slope Zone:** low valley & transitional, <1% slope



Benefical Use and Applicable Zone			Causal Variable	Response Variable (threshold)			
Beneficial Use	Stream Slope Zone*	Macroinvertebrate Zone*	TP, TN ( <i>see</i> ecoregional nutrient concentration ranges in Table 2-3)	DO Delta <sup>†</sup>	Benthic Chla ; AFDW	% filamentous algae bottom cover	Macroinvertebrates
Recreation	Western and transitional ecoregions, <u>all</u> stream/medium river water surface slopes	n/a	х		X (150 mg Chla/m <sup>2</sup> ; 35 g AFDM/m <sup>2</sup> )	X (30% cover)	
Aquatic Life	Western and transitional ecoregions, streams/medium rivers with ≤1% water surface slope	Low Valleys and Transitional <sup>a</sup>	x	<b>X</b> (3.0 mg DO/L)			X Beck's Biotic Index v3 (18.7)



Benefical Use and Applicable Zone			Causal Variable	Response Variable (threshold)			
Beneficial Use	Stream Slope Zone*	Macroinvertebrate Zone*	TP, TN ( <i>see</i> ecoregional nutrient concentration ranges in Table 2-3)	DO Delta <sup>†</sup>	Benthic Chl <i>a</i> ; AFDW	% filamentous algae bottom cover	Macroinvertebrates
Recreation	Western and transitional ecoregions, <u>all</u> stream/medium river water surface slopes	n/a	х		X (150 mg Chla/m <sup>2</sup> ; 35 g AFDM/m <sup>2</sup> )	<b>X</b> (30% cover)	
Aquatic Life	Western and transitional ecoregions, streams/medium rivers with ≤1% water surface slope	Low Valleys and Transitional <sup>a</sup>	x	<b>X</b> (3.0 mg DO/L)			X Beck's Biotic Index v3 (18.7)

## **RECREATION CRITERIA**





Benefical Use and Applicable Zone Causal			Causal Variable		Response Vari	able (threshold)	
Beneficial Use	Stream Slope Zone*	Macroinvertebrate Zone*	TP, TN ( <i>see</i> ecoregional nutrient concentration ranges in Table 2-3)	DO Delta <sup>†</sup>	Benthic Chl <i>a</i> ; AFDW	% filamentous algae bottom cover	Macroinvertebrates
Recreation	Western and transitional ecoregions, <u>all</u> stream/medium river water surface slopes	n/a	х		X (150 mg Chla/m <sup>2</sup> ; 35 g AFDM/m <sup>2</sup> )	<b>X</b> (30% cover)	
Aquatic Life	Western and transitional ecoregions, streams/medium rivers with ≤1% water surface slope	Low Valleys and Transitional <sup>a</sup>	x	<b>X</b> (3.0 mg DO/L)			X Beck's Biotic Index v3 (18.7)



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MONTANA

E	Benefical Use and Applicable Z	one	Cau	sal Varia	able	e Response Variable (threshold)			
Beneficial Use	Stream Slope Zone*	Macroinvertebrate Zone*	TP, TN ( <i>see</i> ecoregional nutrient concentration ranges in Table 2-3)		DO Delta <sup>†</sup>	Benthic Chl <i>a</i> ; AFDW	% filamentous algae bottom cover	Macroinvertebrates	
Recreation	Western and transitional ecoregions, <u>all</u> stream/medium river water surface slopes	n/a		x			X (150 mg Chla/m <sup>2</sup> ; 35 g AFDM/m <sup>2</sup> )	<b>X</b> (30% cover)	
Aquatic Life	Western and transitional ecoregions, streams/medium rivers with ≤1% water surface slope	Low Valleys and Transitional <sup>a</sup>		x		<b>X</b> (3.0 mg DO/L)			X Beck's Biotic Index v3 (18.7)

## **RECREATION & AQUATIC LIFE CRITERIA**





E	Benefical Use and Applicable Z	one	Caus	al Varia	able	e Response Variable (threshold)			
Beneficial Use	Stream Slope Zone*	Macroinvertebrate Zone*	TP, TN ( <i>see</i> ecoregional nutrient concentration ranges in Table 2-3)		DO Delta <sup>†</sup>	Benthic Chl <i>a</i> ; AFDW	% filamentous algae bottom cover	Macroinvertebrates	
Recreation	Western and transitional ecoregions, <u>all</u> stream/medium river water surface slopes	n/a		x			X (150 mg Chla/m <sup>2</sup> ; 35 g AFDM/m <sup>2</sup> )	X (30% cover)	
Aquatic Life	Western and transitional ecoregions, streams/medium rivers with ≤1% water surface slope	Low Valleys and Transitional <sup>a</sup>		x		<b>X</b> (3.0 mg DO/L)			X Beck's Biotic Index v3 (18.7)

## **RECREATION & AQUATIC LIFE CRITERIA**



MONTANA















# Rulemaking Documents Q & A





# Future NWG Meetings



# **Future NWG Meetings**

- DEQ is open to other venues for feedback as needed. Some suggestions: a video call between parties, written submitted Q&A, and phone calls to DEQ experts for clarifications
- DEQ values NWG member input and will continue listening as the rules are implemented.
- DEQ anticipates future NWG meetings on an as-needed basis to provide updates and hear concerns.





# Public Comment



# Questions/ Comments

- Raise hand (\*9 if on the phone) or type questions into the Q&A
- DEQ will unmute you if you wish to provide your comment orally
- If calling by phone, press\*6 to unmute
- State your name and affiliation before providing your comment









Leave

# Thanks for Joining Us

Contact: Kyle Milke <u>kyle.milke@mt.gov</u>

To submit comments or questions

Submit Comments or Questions



## https://deq.mt.gov/water/Councils

