

WDEQ Surface Water Quality Standards Triennial Stakeholder Group Meeting

NOTES From 4/23/21

Attendees

Organization/Interest	Contact Name	Contact Email	Present
WY Department of Environmental Quality	David Waterstreet	David.Waterstreet@wyo.gov	Yes
WY Department of Environmental Quality	Lindsay Patterson	Lindsay.Patterson@wyo.gov	Yes
WY Dept. of Envir. Quality	Madeleine Hamel	Madeleine.Hamel@wyo.gov	Yes
WY Dept. of Envir. Quality	Gina Thompson	Gina.Thompson@wyo.gov	Yes
Ruckelshaus Institute	Jessica Western	biggoosecreekresolutions@gmail.com	Yes
US Forest Service Region 2	Andrea Rogers	andrea.rogers@usda.gov	
US Forest Service Region 4	Mark Muir	mark.muir@usda.gov	Yes
National Park Service	Sharla Stevenson	Sharla_Stevenson@nps.gov	Yes
US Bureau of Reclamation	Lyle Myler	lmyler@usbr.gov	Yes
	Shain Wright		
US Fish and Wildlife Service	Kim Dickerson	kimberly_dickerson@fws.gov	Yes
Natural Resource Conservation Service	Andi Neugebauer	andi.neugebauer@usda.gov	Yes
US Geological Survey	Cheryl Miller	cemiller@usgs.gov	Yes
Office of State Lands and Investments	Benjamin Bump	benjamin.bump@wyo.gov	Yes
WY State Parks	Conrrado Deniz	conrrado.deniz@wyo.gov	Yes
WY State Engineer's Office	Jason Feltner	jason.feltner@wyo.gov	Yes
	Sam Swartz	sam.swartz@wyo.gov	Yes
WY Game and Fish Department	Amanda Losch	amanda.losch@wyo.gov	
	Lara Gertsch	lara.gertsch@wyo.gov	
Wyoming Water Development Office	Mike Robertson	<i>mike.robertson1@wyo.gov</i>	Yes
WY Department of Agriculture	Scott McDonald	Scott.mcdonald@wyo.gov	Yes
WY Department of Health	Alexia Harrist	Alexia.harrist1@wyo.gov	
	Courtney Tillman	Courtney.tillman@wyo.gov	
WY Outdoor Council	Dan Heilig	dan@wyomingoutdoorcouncil.org	
Trout Unlimited	Liz Rose	liz.rose@tu.org	Yes

Organization/Interest	Contact Name	Contact Email	Present
Powder River Basin Resource Council	Jill Morrison	jmorrison@powderriverbasin.org	Yes
WY Association of Rural Water Systems	Michelle Christopher	mchristopher@warws.com	Yes
	Mark Pepper	markp@warws.com	No
WY Association of Municipalities	Clint Bassett	cbassett@cheyennebopu.org	Yes
	Matt Buelow	mbuelow@cheyennebopu.org	Yes
WY County Commissioners Association	Terry Wolf	terrywolf@washakiecounty.net	
WY Association of Conservation Districts	Cathy Rosenthal	cathy.rosenthal@conservewy.com	Yes
WY Petroleum Association	Tom McCormick	Thomas_McCormick@eogresources.com	Yes
	Matt Smith	matt.smith@vaquerobighorn.com	Yes
	Colin McKee	colin@pawyo.org	Yes
WY Mining Association	Dale Brown	dbrown@wwcengineering.com	Yes
National Outdoor Leadership School	Jonathan Williams	jonathan_williams@nols.edu	
WY Contractors Association	Chris Fare	chris@melgaardconstruction.com	Yes
WY Farm Bureau Federation	Ken Hamilton	khamilton@wyfb.org	Yes
WY Stock Growers Association	Jim Magagna	jim@wysga.org	Yes

Meeting included two topics being considered for revisions in the Water Quality Standards (WQS): 1) Human Health Criteria, 2) Turbidity Criteria. For each topic Lindsay Patterson WDEQ/WQD/WPP, Water Quality Standards Supervisor gave an in-depth presentation, followed by discussion with stakeholder group members in three break-out sub groups. After discussions in each break-out group, the considerations of each breakout group were discussed in the full stakeholder group. For additional information about the presented materials and break-out group's considerations, refer to the topical presentations and notes from the break-out groups.

The meeting began at 8:00 a.m. with opening remarks and orientation from the moderator, Jessica Western.

Topic 1: Drinking Water and Fish Consumption Designated Use (Human Health Criteria)

- Discussion on EPA Nationally Recommended Water Quality Criteria for human health and guidance from the Safe Drinking Water Act
 - Fish consumption guidance discussed

- EPA drinking water and fish consumption criteria and methodology for criteria development
- EPA provisions for changing/adjusting EPA recommended criteria
- EPA guidance about duration and frequency
- EPA 2015 update for 94 pollutants in “Human Health Ambient Water Quality Criteria”, 3 new pollutants
- Human health criteria in Wyoming’s WQS for drinking water and fish consumption
 - Associated criteria in the WQS: Sections 3, 18, 22, Appendix B
- Examples from other states discussed: Idaho, Colorado, Indiana, New Mexico
 - Summarized similarities and differences
 - Summarized durations used for use support determinations
- Ideas for potential changes to WY WQS

Group Questions:

- **Question about radioactive materials and natural occurrence. How common is it?**
 - Wyoming does have natural sources of radioactive materials that have been a concern by some point source dischargers.
- PFOS/PFAS is a growing national issue. How is this being addressed in WQS?
 - Currently, there are no nationally recommended water quality criteria for PFAS
- What are the 3 new pollutants?
 - EPA has provided a comparison list of pollutants that clearly shows the new pollutants.
- In drinking water, “potential to support drinking water”, how is that evaluated?
 - Potential to support is important for waterbodies that may not currently be achieving water quality standards.
- Comment about the need to consider new lead and copper guidance for drinking water supplies.

Break-out groups discussed information and provided considerations

Break: 9:15 a.m. – 9:30 a.m.

Topic 2: Turbidity and Sediment Criteria

- Discussion on EPA Nationally Recommended Water Quality Criteria for turbidity and sediment
- “Quality Criteria for Water 1986”, Gold Book
 - Water column implications to aquatic life
 - Water column attributes
 - Substrate attributes
 - Discussed relationship to drinking water, recreation, and irrigation designated uses
- EPA 2006 Suspended and Bedded Sediment Criteria
 - Suspended and bedded sediment frameworks discussed
- EPA 2017 WQS Handbook, Chapter 3: Water quality criteria. Minimal information directly related to turbidity.
- Safe Drinking Water Act relationships to topic discussed
- Turbidity in Wyoming’s WQS
- Associated criteria in the WQS: Sections 13, 15, 16, 23

- Discussed WY Turbidity Implementation Policy
- Examples from other states discussed: Idaho, Oregon, New Mexico
 - Summary of all states' TMDLs for sediment vs. turbidity
- Ideas for potential changes to WY WQS
- Discussed implications for changes to WQS

Group Questions: none

Break: 11:10 a.m. – 11:20 a.m.

Break-out groups: to discuss information and provide considerations

Closing remarks and direction given to group for preparation of next meeting.

Next Meeting: May 19th from 7:55 a.m. – 12:25 a.m.