

Lewis and Clark County Water Quality Protection District

Board Meeting Agenda Tuesday, June 23, 2020 City-County Building 316 N. Park, Room 226 Helena, MT 59623

What (Content)	How (Process)	Who	Page	Time (When)
1. Call to Order & Establish Quorum –	Roll Call	Jamie Shell -Chair		5:30 p.m.
2. Review of Agenda	Discuss Vote	Board	1	5:30 p.m.
3. Previous Minutes Review and Approval	Present	Board	2	5:35 p.m.
4. Water Isotope Sampling Program	Discuss	James Swierc	5	5:40 p.m.
5. Updates and Announcements <ul style="list-style-type: none">• Gravel Pit	Discuss	Staff	8	5:50 p.m.
6. Board Elections	Discuss Vote	Board	9	6:00 p.m.
7. Board Member Discussion	Discuss	Staff	10	6:10 p.m.
8. Public Comment	Discuss	Board	11	6:20 p.m.
9. Adjourn Meeting	Present	Board		6:20 p.m.

ADA NOTICE

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**LEWIS & CLARK COUNTY
WATER QUALITY PROTECTION DISTRICT
Helena, Montana**

BOARD AGENDA ITEM

Meeting Date

June 23, 2020

Agenda Item No.

2

Minutes Board Member Discussion Staff & Other Reports Action Hearing of Delegation

AGENDA ITEMS: Review of Agenda

PERSONNEL INVOLVED: Board Members

BACKGROUND: Time is allowed for board members to review the agenda and place any items under action or to add any new agenda items.

RECOMMENDATION: n/a

ADDITIONAL INFORMATION ATTACHED

BOARD ACTION:

NOTES:

	M O T I O N	S E C O N D	A Y E	N A Y	A B S T A I N	O T H E R
Frasier						
Harrow						
Good Geise						
Johnson						
Leland						
Ryan						
Schell						
Scott						

**LEWIS & CLARK COUNTY
WATER QUALITY PROTECTION DISTRICT
Helena, Montana**

BOARD AGENDA ITEM

Meeting Date

June 23, 2020

Agenda Item No.

3

Minutes Board Member Discussion Staff & Other Reports Action Hearing of Delegation

AGENDA ITEMS: Minutes of the May 26, 2020 meeting

PERSONNEL INVOLVED: Board Members

BACKGROUND: Upon approval, the minutes represent official actions of the Water Quality Protection District. Every effort is made to have these recommended minutes accurately portray the proceedings and procedures of the board.

RECOMMENDATION: Approval

ADDITIONAL INFORMATION ATTACHED

BOARD ACTION:

NOTES:

	M O T I O N	S E C O N D	A Y E	N A Y	A B S T A I N	O T H E R
Frasier						
Good Geise						
Harrow						
Johnson						
Leland						
Ryan						
Schell						
Scott						

LEWIS AND CLARK COUNTY
WATER QUALITY PROTECTION DISTRICT
BOARD MEETING

Zoom
May 26, 2020

Members Present

Jeff Ryan, vice-chair
Amanda Harrow
Kammy Johnson
Catherine Scott
Ryan Leland

Staff

Kathy Moore
Jennifer McBroom
Peter Schade
James Swierc
Jolene Helgerson
Valerie Stacey

Members Absent

Commissioner Susan Good Geise
Mayor Jamie Schell, chair
Stan Frasier

Guests Present

Conner Mertz, Healthy Watershed Association
Arnold Jackson

Jeff Ryan, vice-chair, called the 245th meeting of the Lewis and Clark County Water Quality Protection District (WQPD) Board of Directors to order at 5:30 p.m. A quorum was established. Introduction of Board members were made.

REVIEW OF AGENDA

Kathy Moore, Environmental Services Division Administrator, recommended adding a commission budget update after agenda item 3.

MINUTES

Mr. Ryan asked if there were any corrections or additions to the April 28, 2020, minutes. Amanda Harrow made a motion to approve the minutes as written. Catherine Scott seconded the motion. The motion carried 4-0. No public comment was given.

COMMISSION BUDGET UPDATE

Ms. Moore announced that the L&C Public Health presented their budget along with WQPD's budget to the County Commissioners for review. Ms. Moore noted that the commissioners did ask the department if they had any interests in the upcoming legislature. Ms. Moore discussed the Department of Natural Resources and Conservation Grizzly Gulch Reclamation Project and flood plain permitting. Ms. Moore suggested having a discussion on flood plain permitting at a future board meeting. Mr. Ryan announced that the Lewis and Clark Conservation District is working on a joint resolution regarding flood plain permitting to present at the next legislative session. Mr. Ryan asked for Board and staff assistance with the wording of the resolution. No public comment was given.

COVID-19 UPDATE

Ms. Moore said that Governor is reducing COVID-19 restrictions throughout the state. Surrounding states are seeing an increase in cases. The health department is asking the community to remember to do their part in preventing the passing of the virus by keeping 6 feet distance, increasing proper hygiene care and wearing a facemask. Ryan Leland announced that the City of Helena is continuing to sample their wastewater for the presence of COVID-19. At this time, no detection has been found. Mr. Leland also remarked that the sampling of the wastewater would continue into the summer possible, possibly fall. The Helena City Commissioners are looking to use local labs like Carroll College and Montana State University to provide COVID-19 sampling results. No public comment was given.

STRATEGIC PLAN UPDATE

Jennifer McBroom, Water Quality Protection District Program Supervisor, gave an update on the WQPD Strategic Plan (see Attachment "A"). Valerie Stacey, Environmental Technician, presented the draft online WQPD Program Story Maps showing groundwater, surface water, Tenmile flooding and East North Hills data. No public comment was given.

UPDATES AND ANNOUNCEMENTS

Flood: Mr. Schade announced that staff is providing a weekly hydrological flooding update for Tenmile Creek and Elk Creek. Those updates are sent to the disaster emergency services, public information officers and to public works. Stream peaks occurred on May 1 and May 21 due to an increase of precipitation. In answer to a question from Mr. Ryan, Mr. Schade said that Elk Creek might see some flooding this year due to last year's flooding that caused channel capacity changes within the stream.

DEQ: Mr. Schade announced that staff is working with Department of Environmental Quality (DEQ) to complete a reanalysis of Prickly Pear Creek using the last ten years of data collected by the WQPD. DEQ is required to conduct an analysis of Prickly Pear Creek every three years as a component of their Triennial Review. .

BOARD MEMBER DISCUSSION

Mr. Ryan announced that the Lewis and Clark Conservation District is working with the forest service to sponsor a grant for phase 2 work on Beaver Creek. A complete rehab of the stream for spawning will be completed. Phase 1 is to begin this summer or fall. Mr. Ryan suggested the district should tour phase 1 and phase 2.

PUBLIC COMMENT

Conner Mertz with Healthy Watershed Association announced that he and Chris Evans, with the Lewis and Clark Conservation District, are hosting a riparian management workshop on July 21. There is a possibility that the workshop may be canceled due to COVID-19.

The meeting adjourned at 6:19 p.m.

Jeff Ryan, Vice-Chair

**LEWIS & CLARK COUNTY
WATER QUALITY PROTECTION DISTRICT
Helena, Montana**

BOARD AGENDA ITEM

Meeting Date

June 23, 2020

Agenda Item No.

4

Minutes Board Member Discussion Staff & Other Reports Action Hearing of Delegation

AGENDA ITEMS: Water Isotope Sampling Program

PERSONNEL INVOLVED: James Swierc, Hydrologist

BACKGROUND: Mr. Swierc will provide an update on the Water Isotope Sampling Program

ADDITIONAL INFORMATION ATTACHED

BOARD ACTION:

NOTES:

	M O T I O N	S E C O N D	A Y E	N A Y	A B S T A I N	O T H E R
Frasier						
Harrow						
Hunthausen						
Johnson						
Leland						
Ryan						
Schell						
Scott						

Helena Area – Water Isotope Sampling Program

The Lewis and Clark Water Quality Protection District (LCWQPD) currently assists the Montana Bureau of Mines and Geology (MBMG) with sample collection for the Montana Precipitation Isotope. MBMG completes the analysis of the water isotope samples at their stable isotope laboratory. Precipitation sampling locations are located at McDonald Pass, along the continental divide; and in the south-central part of Helena Valley, south of the Airport (Figure 1). MBMG staff, with assistance from LCWQPD staff and United States Forest Service (USFS) staff, have been collecting monthly composite precipitation samples. As part of the project, LCWQPD has been collecting monthly surface water samples from Prickly Pear Creek, Tenmile Creek, Silver Creek and Sevenmile Creek near where they enter the Helena Valley, and on the Helena Valley Irrigation Canal occurs during irrigation season (Figure 1).

Surface Water Sampling Locations

MBMG – GWIC #	Stream and Location	LCWQPD ID#
260287	Sevenmile Creek at Head Lane	7M-3 (a/k/a T-3)
278599	Tenmile Creek at Green Meadow Drive	T-4
278610	Silver Creek at Silver Creek Estates Road	SC-1
278660	Prickly Pear Creek in East Helena (Pacific St)	P-3
278662	Main HVID Irrigation Canal below Dam	HVID-LC1

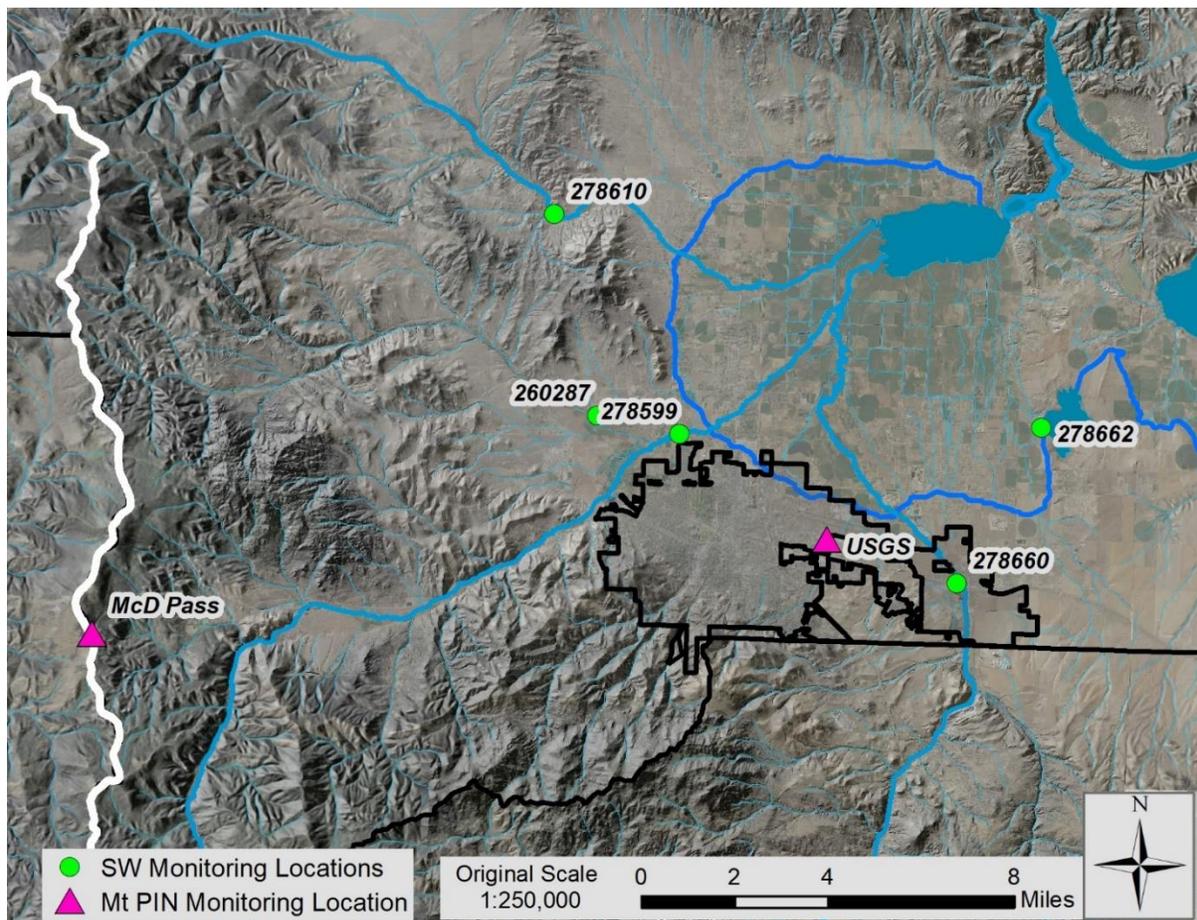


Figure 1 – Precipitation and Surface Water Monitoring Locations

Groundwater Program

Groundwater sampling will be completed quarterly, at shallow monitoring wells in the southwest part of the Helena Valley (Figure 2). The monitoring program will be completed in conjunction with water quality sampling by LCWQPD. The monitoring locations are shallow wells with screened intervals near the top of the water table, in the area of the valley susceptible to flooding during spring runoff, or high precipitation events in the watershed. The first sampling event will occur during June 2020 and continue quarterly. The monitoring locations and frequency will be evaluated during Winter 2021 after 4 sampling events.

Monitoring Well Sampling Locations

MBMG – GWIC #	Well Owner/Location	Total Depth	Screen Depth	Static Water Level
		<i>ft bgs</i>	<i>ft bgs</i>	<i>ft bgs</i>
191555	LCWQPD - Applegate & Norris	29	16-29	14
302696	LCWQPD - Motsiff & McHugh	25	15-25	20
302701	LCWQPD - Forestvale & N Mt	28	18-28	20
302706	LCWQPD - Hilman Rd	17	7-17	5
302709	LCWQPD - Rinay Rd	20	10-20	5
892195	USGS - Mill Road	23	20-23	12



Figure 2 – Groundwater Monitoring Locations

**LEWIS & CLARK COUNTY
WATER QUALITY PROTECTION DISTRICT
Helena, Montana**

BOARD AGENDA ITEM

Meeting Date

June 23, 2020

Agenda Item No.

5

Minutes Board Member Discussion Staff & Other Reports Action Hearing of Delegation

AGENDA ITEMS: Updates and Announcements

PERSONNEL INVOLVED: Staff/board

BACKGROUND: Updates will be given on the following: Gravel Pit

ADDITIONAL INFORMATION ATTACHED

BOARD ACTION:

NOTES:

	M O T I O N	S E C O N D	A Y E	N A Y	A B S T A I N	O T H E R
Frasier						
Good Geise						
Harrow						
Johnson						
Leland						
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Schell						
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**LEWIS & CLARK COUNTY
WATER QUALITY PROTECTION DISTRICT
Helena, Montana**

BOARD AGENDA ITEM

Meeting Date

June 23, 2020

Agenda Item No.

6

Minutes Board Member Discussion Staff & Other Reports Action Hearing of Delegation

AGENDA ITEMS: Board Elections

PERSONNEL INVOLVED Staff

BACKGROUND: Board members will elect a chair and vice-chair for the next fiscal year.

ADDITIONAL INFORMATION ATTACHED

BOARD ACTION:

NOTES:

	M O T I O N	S E C O N D	A Y E	N A Y	A B S T A I N	O T H E R
Frasier						
Good Geise						
Harrow						
Johnson						
Leland						
Ryan						
Schell						
Scott						

**LEWIS & CLARK COUNTY
WATER QUALITY PROTECTION DISTRICT
Helena, Montana**

BOARD AGENDA ITEM

Meeting Date

June 23, 2020

Agenda Item No.

7

Minutes Board Member Discussion Staff & Other Reports Action Hearing of Delegation

AGENDA ITEMS: Board Member Discussion

PERSONNEL INVOLVED: Board Members

BACKGROUND: This time has been set-aside for the board members to bring up any topics they would like to discuss or add to the agenda of future meetings.

ADDITIONAL INFORMATION ATTACHED

BOARD ACTION:

NOTES:

	M O T I O N	S E C O N D	A Y E	N A Y	A B S T A I N	O T H E R
Frasier						
Good Geise						
Harrow						
Johnson						
Leland						
Ryan						
Schell						
Scott						

**LEWIS & CLARK COUNTY
WATER QUALITY PROTECTION DISTRICT
Helena, Montana**

BOARD AGENDA ITEM

Meeting Date

June 23, 2020

Agenda Item No.

8

Minutes Board Member Discussion Staff & Other Reports Action Hearing of Delegation

AGENDA ITEMS: Public Comment

PERSONNEL INVOLVED: Public and Board Members

BACKGROUND: Time is allowed for public comment on matters within the Water Quality Protection District's boundaries not mentioned on the agenda.

RECOMMENDATION: n/a

ADDITIONAL INFORMATION ATTACHED

BOARD ACTION:

NOTES:

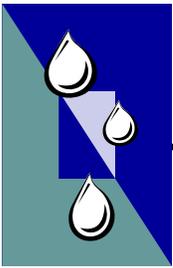
	M O T I O N	S E C O N D	A Y E	N A Y	A B S T A I N	O T H E R
Frasier						
Good Geise						
Harrow						
Johnson						
Leland						
Ryan						
Schell						
Scott						

**Attendance Record for the
Lewis & Clark County Water Quality Protection District
FY 2020**

	Jul	Aug	Sep	Oct	Nov/Dec	Jan	Feb	Mar	Apr	May	Jun
Frasier	*	X	T	X	O	*	O	*	X	O	
Geise	---	---	---	---	---	*	X	*	O	O	
Harrow	*	X	T	O	X	*	O	*	X	X	
Hunthausen	*	O	T	X	O	---	---	---	---	---	---
Johnson	*	X	T	X	X	*	X	*	X	X	
Leland	*	X	T	X	O	*	O	*	X	X	
Ryan	*	X	T	X	X	*	X	*	X	X	
Schell	*	X	T	X	X	*	X	*	X	O	
Scott	---	---	T	X	X	*	X	*	X	X	
Sloan	*	X	T	X	---	---	---	---	---	---	---

Legend:

- X = Present
- = Not a member of the board at that time.
- * = No meeting held
- O = Absent
- / = Work Session
- T = Tour



Lewis and Clark County Water Quality Protection District

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Susan Good Geise

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Representing the Board of County
Commissioners

Jamie Schell, chair

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Representing the East Helena City Council

Stan Frasier

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Representing the L & C Conservation District

Ryan Leland

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Representing the Helena City Commission

Vacant

Representing the Helena Citizen's Council

Kammy Johnson

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Representing the Board of Health

Catherine Scott

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Term ends 06/30/22 – General Public

Amanda Harrow

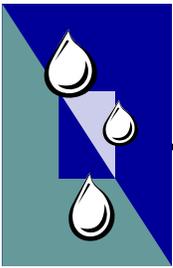
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Term ends 06/30/21 – General Public

Jeff Ryan, vice chair

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Term ends 06/30/20– General Public



Lewis and Clark County Water Quality Protection District

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Helena, MT 59624
Ph: 406.447.8351
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All board meetings are held in room 226 of the City-County Building, 316 N. Park, Helena, Montana at 5:30 p.m. The meetings are generally completed by 7:30 p.m.

MEETING DATES FOR FISCAL YEAR 2020

July 23, 2019- Canceled

August 27, 2019

September 24, 2019

October 22, 2019

December 4, 2019

January 28, 2020-Canceled

February 25, 2020

March 24, 2020-Canceled

April 28, 2020

May 26, 2020

June 23, 2020