

900 SW Jackson Street
Topeka, KS 66612

Tracy Streeter, Director

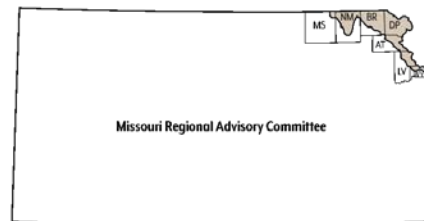


Phone: (785)-296-3185
Fax: (785)-296-0878
www.kwo.org

Sam Brownback, Governor

Meeting Notice:
January 8, 2018

For More Information:
Katie Patterson-Ingels
(785) 296-3185, katie.ingels@kwo.ks.gov



Missouri RAC Meeting in Atchison

January 16, 2018 at 9 a.m., in the USD 409 Community Meeting Room

The Kansas Water Office's (KWO) Missouri Regional Advisory Committee (RAC) will meet to discuss current water issues affecting the region, as well as the state.

The meeting is scheduled for Tuesday, January 16, at 9 a.m., in the USD 409 Community Meeting Room, 626 Commercial in Atchison, Kansas. The committee will receive updates on activities taking place to implement the Action Plans for the region that were adopted by the Kansas Water Authority, including a presentation by Dr. Nathan Nelson on the nutrient reduction research he is conducting at K-State. The RAC will also be previewing the State of the Resource document before the presentations at local annual Conservation District meetings.

The agenda and meeting materials will be available at www.kwo.org or you may request copies by calling (785) 296-3185 or toll-free at (888) KAN-WATER (526-9283).

If accommodations are needed for a person with disabilities, please notify the Kansas Water Office at 900 SW Jackson Street, Suite 404, Topeka, KS 66611-1249 or call (785) 296-3185 at least five working days prior to the meeting.

Note to Editor: The Americans with Disabilities Act, (42 U.S.C. 12101) requires the Kansas Water Office to print the reasonable accommodations messages.

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As the state's water office, KWO conducts water planning, policy coordination and water marketing as well as facilitates public input throughout the state.

The agency prepares the KANSAS WATER PLAN, a plan for water resources development, management and conservation. KWO also reviews all water laws and makes recommendations to the Governor and Legislature for needed legislation.

MEMO



900 SW Jackson Street, Suite 404
Topeka, KS 66612
Phone: (785) 296-3185
Fax: (785) 296-0878
www.kwo.org

DATE: January 8, 2018
TO: Missouri RAC Members and Advisors
FROM: Kirk Tjelmeland
RE: January 16, 2018 Meeting

The next meeting of the Missouri Regional Advisory Committee will be held on **Tuesday, January 16, 2018 at 9:00 a.m. at the in the USD 409 Community Meeting Room, 626 Commercial, Atchison, KS 66002.**

Hope you had a wonderful Christmas and are ready to jump into 2018 with both feet! We had a great meeting at the WaterOne Office in Lenexa and a tour of their facility. The January 16th meeting has a couple of action items on the agenda: Dr. Nathan Nelson, KSU, will be giving the RAC an overview of research that is taking place at KSU relative to nutrient loss through terraces and how this research might apply to our Region. Chris Griffin wants to inform the RAC about a CIG grant she is working on for a technology farm in DP Co. The RAC will discuss the State of the Resource (SOTR) document and the future meetings.

Enclosed please find the following meeting materials:

- Agenda
- November 16th Meeting Notes
- KWA response the Missouri RAC message
- Press Release

If you cannot attend, or have any questions or concerns regarding the meeting, please feel free to contact me at Kirk.Tjelmeland@kwo.ks.gov or by phone at 785-368-8149.

MEMO



DATE: December 22, 2017
TO: Missouri Regional Advisory Committee
FROM: Kirk Tjelmeland
RE: RAC Message to the Kansas Water Authority

900 SW Jackson Street, Suite 404
Topeka, KS 66612
Phone: (785) 296-3185
Fax: (785) 296-0878
www.kwo.org

On behalf of the Kansas Water Authority (KWA), this memo is to acknowledge receipt of the message received from the Missouri Regional Advisory Committee and to provide a response to that message. The KWA met on December 12, and approved the response provided below.

RAC Message:

The Missouri RAC requests funding to complete Phase II of “Addressing Groundwater Goals of the Missouri Regional Planning Area” by the Kansas Geological Survey (KGS). Funding of the study would provide information directly related to Goals #1 & #3.

KWA Response:

The Kansas Water Authority recognizes the value of projects such as these and appreciates the input of the RACs can provide for the priority project development process for the State Water Plan funding. RACs providing input to the KWA and KWO on these types of projects is a great way for the RACs to continue to engage in the RAC Action Plan implementation process by providing information on annual projects which should be considered for funding. The KWA would like KWO to coordinate with the RACs earlier in the budget development process in future years to review and provide input on the projects identified by the KWO as priority projects to be considered for funding for inclusion within the KWA’s budget requests. KWO Regional Planners shall also provide budget overview information to the RACs on the current State Water Plan expenditures and where those funds are currently being spent.



MEETING AGENDA

DATE: Tuesday, January 16, 2018

TIME: 9:00 AM

AGENDA DETAILS

I. Welcome/Introductions

II. Public Comments*

III. RAC Business

- a. Review of the November 16th Meeting notes
- b. Review of December 12 KWA meeting in McPherson
- c. MO River Subcommittee Report
- d. Ag Subcommittee Report

IV. Action Plan Item – Update from Dr. Nathan Nelson, KSU

- a. Explanation of current research at KSU on nutrient reduction
- b. Discussion on how this could be applied to the MO Region

V. Action Plan Item – CIG Grant for Technology Farm in DP Co.

- a. General overview by Chris Griffin

VI. Legislative and Budget Update – Ginger Harper, KWO

VII. State Of The Resource (SOTR) Document Discussion

- a. New format, General Overview – Tj - KWO
- b. Implementation Progress/Needs
- c. Next Steps – meeting held in conjunction with RAC meeting or stand-alone meeting?

VIII. Agency or Public Comments:

IX. Other Issues: Healthy Watersheds & Name top 3 water conservation measures for MO Region

X. Upcoming Meeting:

- a. KWA meeting January 23-24, 2018, Topeka, KS
- b. Next Missouri RAC meeting?

LOCATION: USD 409 Meeting Room
626 Commercial
Atchison, KS 66002

*Public Comments are limited to 3-5 minutes and limited to issues related to regional goals, action plans or other water resource issues or concerns.



Missouri Regional Advisory Committee Meeting Notes

Missouri Regional Advisory Committee Meeting
Thursday November 16, 2017, 9:00 am
WaterOne Board Room
Lenexa, Kansas

Members Attendance:

Name	City	Category	Term	Present
Carl Johnson (Chair)	Leavenworth, KS	Conservation/Environment (cc)	2019	Yes
John Bishop	Atchison, KS	Recreation	2019	No
Neil Coufal	Troy, KS	At Large Public (cc)	2021	No
Stephen Glaser	Atchison, KS	Industry/Commerce (cc)	2019	No
Jeffrey Grossenbacher	Bern, KS	Agriculture (cc)	2019	No
Chris Griffin	Troy, KS	WRAPs	2021	No
Alan Kelley	White Cloud, KS	Iowa Tribe of Kansas and NB	2019	Yes
Joel Mahnken	Leavenworth, KS	Public Water Supply (cc)	2021	Yes
Brett Neibling (VC)	Highland, KS	Agriculture 2	2019	No
Darcy Nightingale	Hiawatha, KS	Agriculture Industry	2021	Yes
Bill Shroyer	Sabetha, KS	Public Water Supply 2	2019	No
Luke Terry	Robinson, KS	Fish and Wildlife	2021	No
Michelle Wirth	Kansas City, KS	Public Water Supply 3	2021	Yes

Others in attendance:

Name	Town	Representing
Chris Beightel	Lawrence	KDA-DWR
Brett Bunger	Topeka	KDA-DWR
Travis Daneke	Topeka	KDHE-WRAPS
Margaret Chamas	Troy	KSRE-WRAPS
Bruce Wells	Salina	NRCS
Scott Watson	KC	NWS
Alex Davis	Topeka	KWO
Kirk Tjelmeland	Topeka	KWO

Welcome and Introductions: Carl started the meeting at 9:15 am with self-introductions from everyone in the room. This was a new location so the start time was delayed 15 minutes to allow for late arrivals.

Public Comments: There were none.

RAC Business:

- The September 14th meeting notes were reviewed accepted with no changes.
- The Governor's Water Conference was discussed and overall everyone was pleased with the conference. Michelle liked having water quality as a big part of the conference. Travis mentioned that he had trouble figuring out which session to attend with multiple good sessions offered at the same time. Chris

Membership: Carl Johnson, Chair, Leavenworth, KS; John Bishop, Atchison, KS; Neil Coufal, Troy, KS; Stephen Glaser, Atchison, KS; Jeffery Grossenbacher, Bern, KS; Chris Griffin, Troy, KS; Alan Kelley, White Cloud, KS; Joel Mahnken, Leavenworth, KS; Brett Neibling, Highland, KS; Darcy Nightingale, Hiawatha, KS; Bill Shroyer, Sabetha, KS; Luke Terry, Robinson, KS; Michelle Wirth, Kansas City, KS
KWO Planner: Kirk Tjelmeland, 785-368-8149; Kirk.Tjelmeland@kwo.ks.gov

talked about the number of legislators that were there and the ability to network with individuals at the conference.

- c. Michelle and Alan reported that the Missouri River Recovery Implementation Committee (MRRIC) that had just met in Kansas City, MO on Oct. 30-Nov. 2nd. A big portion of the meeting was the first in-person meetings for the new Fish, Bird and Human Consideration Teams. One big consideration is the possible delisting of the least tern. More information about the meeting can be found [here](#). The next meeting MRRIC meeting will be held March 27th-29th, 2018.
- d. The Ag subcommittee had no report.

Update on Drought and Flood trends affecting the Missouri Region: Scott Watson of the National Weather Service (NWS) presented a ppt that can be seen [here](#). Scott went through the U.S. Drought monitor, how it works and the drought levels for the Missouri River Basin over the last 18 years. The Missouri Region falls in Climate Division 3 which shows similar drought and flood periods to the rest of the basin. The Palmer Hydrological Drought Index (PHDI) has a much more robust data set and it appears that the frequency and size of extreme precipitation events is increasing. Scott stated that the “8-10 inch rainfall events are happening more often,” which results in increased flood events. When looking at major and moderate flooding there has to be considerable damage and not necessarily crop damage to make it a major flood. Some areas such as parts of KC have made considerable improvements in the levee system so the flooding isn’t as damaging as in years past. Scott compared a couple major flood events 1993 vs 2011 and how the circumstances surrounding the floods were vastly different. Climate change was brought into the discussion with predicted changes in seasonal patterns due to CO² emissions, warmer and wetter for the Missouri Region. Carl asked about ground water supply and quality of surface water. Alex brought up the “Letter to Humanity” a short read that talks about climate change.

CIG Grant for Technology Farm in DP County: Chris was sick and unable to provide information on this and Tj was unfamiliar with exactly what Chris was proposing. Michelle wanted to make sure the RAC gets information on the grant and provide support if necessary. Bruce, NRCS, said the CIG grants are designed to increase technology and not just mimic existing technology from other areas of the state. There was a good deal of discussion on technology farms and the difference between farms from west to east: topography, soil types and other issues. Darcy mentioned that his company monitors 55 moisture probes some of which monitor nutrients as well. He expressed some concern about literature that documented the movement of salts and that this didn’t necessarily correlate to the movement of nutrients.

State of the Resource (SOTR): Tj presented a brand new draft document that was smaller, more specific and easier to find information. This draft can be seen [here](#). The information from the previous draft will be used to update the water plan so the RAC’s effort on the document will not be lost. Several sections had been removed and new tables had been added. The new draft will be sent out shortly and comments are requested. Michelle wanted to have both the pie chart and bar graph for water use put in the document. I need to add to the 2017 activities, MO River Subcommittee formed and submitted comments on the Missouri River Draft EIS. On the education goal Carl didn’t think we needed a subcommittee however he would like set of 4 or 5 slides to talk about water issues in Kansas. Travis and Bruce wanted to make sure accurate information from other agencies

is included in the document. There was no meeting date or time set to hold the SOTR meeting. However Carl thought it best if we had more input from the other members on the RAC, possibly a conference call.

Agency or Public Comments: There were none.

Other Issues: Kansas Health Institute (KHI) Water Reuse Presentation – Tj went through a ppt provide by KHI on the Health Impact Assessment (HIA) they had completed on the reuse of water. Some of this information was presented at the Governor’s Water Conference and the ppt can be viewed [here](#). There are reuse projects taking place statewide, some with large amounts of water being reused. For example the Spirit Corporation in Wichita is treating 2-3 million gallons of water/day for reuse. Most of the reuse water across the state is applied to ball fields, golf courses or agriculture fields. The technology is there to treat water from toilet to tap however there is still a big “yuck” factor and the cost.

WaterOne Tour: Mike Armstrong, General Manager from WaterOne provided the group with a ppt of the operations which can be viewed [here](#). WaterOne is an independent, non-profit water utility founded in 1957 serving a 272 square mile area. They have 2,600 miles of pipe and annually they have about 700 water main breaks and his goal is to have them repaired in 4 hours or less. They continue to expand and will add about 1,200 customers for 2017 and their water is some of the cheapest around. WaterOne is working on an Ozone treatment at the Hansen facility that will provide better water dissenfections. Michelle and her staff took the group a tour of the Wolcott Treatment Plan.

Next Meetings:

KWA Meeting: McPherson (November 12th, KMU training facility, 2090 East Avenue A)

KWA Meeting: Topeka (January 23-24th)

MO RAC Meeting: Location and date TBD