

MEMO



DATE: September 12, 2016
TO: Missouri RAC Members and Advisors
FROM: Margaret Fast
RE: September 22, 2016 Meeting

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The next meeting of the Missouri Regional Advisory Committee will be held on **Thursday, September 22, 2016 at 9:00 a.m. in the USD 409 Community Room, 626 Commercial, Atchison, Kansas.**

The committee will take final action on the Action Plan for the surface water quality goal. The Action Plan is included with the mailing. Please review prior to the meeting. A reminder that the presentations made in earlier meetings on surface water in the regions by DWR, KDHE, DP Co, and Water One are all posted towards the bottom of the page linked here: <http://www.kwo.org/Regional-Advisory-Committees.html>. The June 2nd meeting notes also note that US Natural Resources Conservation Service (NRCS) and 3 additional conservation district representatives from the region presented information.

At this meeting, Dana Ladner, Kansas Department of Agriculture and member of the Education Working Group, will also be in attendance to report on the actions and recommendations of the Vision Education and Public Outreach Working Group. As you know, your Regional Goal 4 is focused on education and outreach and you did not need to develop a separate action plan. Your input into this Working Group plan will be requested.

Enclosed please find the following meeting materials:

- Agenda
- July 14 Meeting Notes
- Final Draft Surface Water Action Plan
- Missouri Regional Goals

If you have any questions or need additional information prior to the meeting, feel free to contact me at Margaret.fast@kwo.ks.gov or give me a call at 785/296-0865.

Meeting Agenda
Missouri Regional Advisory Committee
September 22, 2016, 9:00 a.m.
USD 409 Meeting Room
626 Commercial
Atchison, Kansas

1. Welcome/Introductions
2. Review of July 14 Meeting Notes
3. Public Comments*
4. Water Vision Education and Public Outreach Supplement Presentation - Update from Vision Education Working Group – Dana Ladner, KDA
5. Report from September 1 Kansas Water Authority Meeting – Carl Johnson
6. **Final Action: Surface Water Quality Goal Action Plan Development**
To ensure a **reliable surface water supply** in the future, best management practices will be implemented so surface water quality in identified drainages is maintained or improved using goals and milestones as identified in the Missouri Watershed Restoration and Protection Area 9 - Element Plan.
7. Agency Reports
8. Other issues
9. Next Meetings:
 - a. RAC meeting
 - b. KWA – October 19 – Milford Lake

*These reports are limited to 3-5 minutes.



Missouri Regional Advisory Committee Meeting Notes

Missouri Regional Advisory Committee Meeting
July 14, 2016, 9:00 am
USD 409 Meeting Room
Atchison, Kansas

Members Attendance:

Name	City	Category	Term	Present
Carl Johnson (Chair)	Leavenworth, KS	Conservation/Environment (cc)	2019	Yes
John Bishop	Atchison, KS	Recreation	2019	Yes
Neil Coufal	Troy, KS	At Large Public (cc)	2017	Yes
Stephen Glaser	Atchison, KS	Industry/Commerce (cc)	2019	Yes
Jeffrey Grossenbacher	Bern, KS	Agriculture (cc)	2019	Yes
Carol Hughes	Seneca, KS	WRAPs	2017	Yes
Alan Kelley	White Cloud, KS	Iowa Tribe of Kansas and NB	2019	Yes
Joel Mahnken	Leavenworth, KS	Public Water Supply (cc)	2017	Yes
Brett Neibling	Highland, KS	Agriculture 2	2019	Yes
Darcy Nightingale	Hiawatha, KS	Agriculture Industry	2017	Yes
Bill Shroyer	Sabetha, KS	Public Water Supply 2	2019	Yes
Luke Terry	Robinson, KS	Fish and Wildlife	2017	No
Michelle Wirth	Kansas City, KS	Public Water Supply 3	2017	Yes

Others in attendance:

Name	Town	Representing
Alan Larson	Atchison	Atchison Co Conservation District
Chris Griffin	Troy	DP Co Conservation District
Judy Wegener-Stevens	Troy	DP Co Conservation District
Keith Grimm	Hiawatha	MWI, LLC
Kent Grimm	Morrill	Farmer
Bruce Wells	Salina	Natural Resources Conservation Service
Gary Satter	Wetmore	Glacial Hills RC&D
Brett Bunger	Topeka	KDA-DWR
Richard Malm		Jefferson County Conservation District
Kirk Tjelmeland	Topeka	Kansas Water Office
Margaret Fast	Topeka	KWO

Welcome and Introductions:

Carl asked those in attendance to introduce themselves.

Approval of June 2 Meeting Notes:

The notes were approved as sent.

Public Comments:

There were none.

Membership: Carl Johnson, Chair, Leavenworth, KS; John Bishop, Atchison, KS; Neil Coufal, Troy, KS; Stephen Glaser, Atchison, KS; Jeffery Grossenbacher, Bern, KS; Carol Hughes, Seneca, 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: Margaret Fast, 785-296-3185; margaret.fast@kwo.ks.gov



Missouri Regional Advisory Committee Meeting Notes

Surface Water Quality Goal Action Plan:

A review draft was included in the mailing. The committee went through the item by item. The Doniphan County Conservation District brought copies of suggestion they had discussed and approved as a District concerning the Surface Water Action Plan Development. That document was also reviewed by the RAC and most suggestions more incorporated into the Action Plan. (That document is attached to these meeting notes). There was quite a bit of discussion on tile outlet terrace systems. Changes were made in the draft while it was projected on the screen. After thorough discussion and point by point review John Bishop moved and Neil seconded to approve the Plan with allowances for the Water Office staff to make needed editorial modifications. Motion carried on a 7-2 vote. The Plan will be sent out to the RAC. If after RAC member review, there is interest in revisiting the approved plan, it will be taken up at the next meeting.

Note: the plan with editorial changes is attached to these meeting notes.

Next Steps

With this provisional approval of the Surface Water Goal Action Plan, the RAC has only the education goal remaining. An August meeting had been scheduled to complete work on the action plan, but since that is now completed, the August meeting was cancelled. Carl will present the Approved action plans at the next KWA meeting, August 31-Sept 1. It is still being determined which plans will be presented to the KWA for approval. There will be an October KWA meeting so all Goal Action plans of all 14 RACs can be presented and approved by the KWA prior to the November Governor's Conference on Water.

Next Meeting

RAC Meetings:

~~August 11, 9:00 am, Atchison, USD 409 Community Room~~ **CANCELLED**

September 22, 9am, Atchison USD 409 Community Room

KWA Meetings:

August 31-Sept 1, Emporia

October – TBD

Governors Conference on the Future of Water in Kansas, Manhattan, November 14-15

Membership: Carl Johnson, Chair, Leavenworth, KS; John Bishop, Atchison, KS; Neil Coufal, Troy, KS; Stephen Glaser, Atchison, KS; Jeffery Grossenbacher, Bern, KS; Carol Hughes, Seneca, 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: Margaret Fast, 785-296-3185; margaret.fast@kwo.ks.gov

Final Draft
Missouri Region Goal Action Plan
Surface Water Quality
~~Approved with editorial license granted~~
Reviewed by the Regional Advisory Committee
July 14, 2016
For final approval September 22, 2016

Regional Goals as adopted by the Kansas Water Authority, August 2015

Guiding Principle:

Over the next 50 years, there needs to be an adequate, sustainable and affordable quality water supply in the Missouri Region, while protecting Tribal water rights and sacred and cultural sites. All government agencies, local through state, shall vigorously uphold and enforce all water conservation and management rules and regulations throughout the state.

Goal 2:

To ensure a reliable surface water supply in the future, best management practices will be implemented so surface water quality in identified drainages is maintained or improved using goals and milestones as identified in the Missouri Watershed Restoration and Protection Area 9 Element Plan.

Actions:

Collection of additional information

- Collect data on a voluntary basis to evaluate the benefits of tile outlet terrace systems within the Missouri Region. Prior to proposing any design changes to outlets of tile terraces in the Missouri Region, conduct research on cropland field input amounts (rates, dates applied, how it was applied, etc.) and collect water samples to evaluate the water runoff into the streams in the region. Collect data working with interested local landowners with assistance of area conservation districts, Kansas Department of Health and Environment (KDHE), Natural Resources Conservation Service (NRCS) and other existing agencies. Collection sites will be: tile terrace runoff, waterway runoff, land with no conservation work or no conservation tillage, and land with no conservation work but using no-till.
- Collect data on the benefits of capturing and reusing water on a producer's property.
- Gather existing information on the impact of extreme events (droughts and floods) on water quality and availability of water resources into the future in the Missouri Region.
- Assess what other interest groups, agencies and individuals locally and from states with similar topography and precipitation (Iowa, South Dakota, Nebraska, and Missouri,) can provide on alternative projects that could contribute to water quality in the Missouri Region.

Implementation

- Support and encourage implementation of the best management practices (BMPs) in the adopted 9-Element Plan. Those BMPs are: No-till, cover crops, grassed and forested buffers, convert steep slopes, sediment basins, pasture management, nutrient management, livestock waste management, alternative watering supplies, streambank stabilization, onsite wastewater system repair, urban lawn management, pet waste management. The Plan should be updated every 5-years.
- Focus on finding local volunteers that are willing to adopt and promote new practices, including streambank stabilization.
- Ensure the value of maintenance of ~~best management practices (BMPs)~~ is ~~are~~ understood to allow BMPs to have the desired long term effects, through education and outreach.
- Recognize the value of protection of water quality through education and outreach.

- Prevent sedimentation by using existing cost - share programs through the Kansas Department of Agriculture, Division of Conservation (DOC); KDHE; and NRCS, to fund conservation practices in the Missouri Region.
- Continue to use the NRCS for technical assistance on implementation practices suited to the unique topography of the Missouri Region.
- Prioritize the existing ranking systems from agencies, to secure funding for protecting water quality and water supply in the Missouri Region.
- Raise awareness about water quality and the importance of proper urban lawn application.

Monitoring

- Determine if additional monitoring sites are needed to better characterize and prioritize project priorities in the Region.

Funding Needs

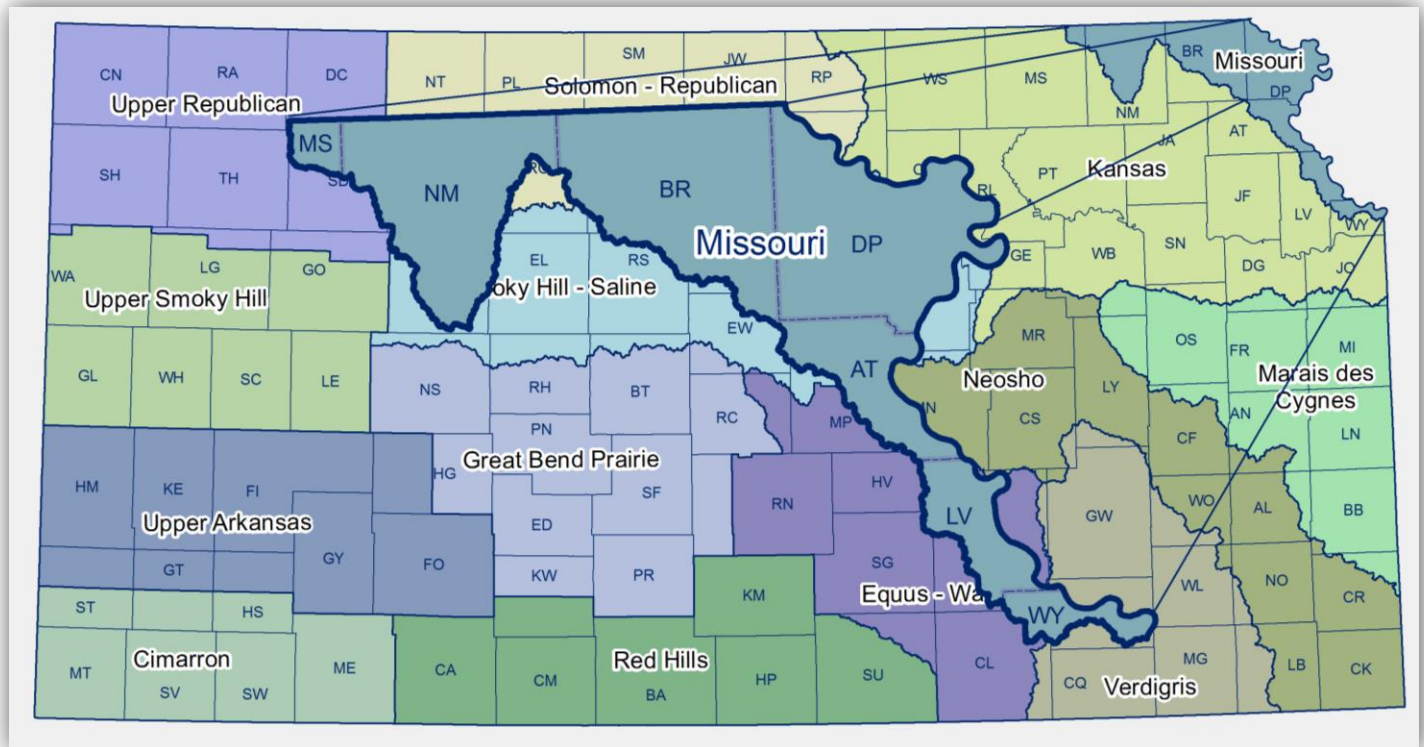
- To ensure water quality is maintained and improved, the state should fully fund the Kansas Water Plan for implementation of best management practices through programs of the DOC, KDHE and others as needed.
- Ensure continued and improved coordination with the NRCS to access and make the best use of funding for priority projects for water quality protection in the Region.
- Assess possible involvement of other agencies, businesses and interest groups to determine interest and possible funding of water quality projects in the Region.
- Continue to ensure that funding from the Clean Drinking Water Fee Fund for technical assistance for small public water supply systems is maintained at least at the current level.
- Include funding for streambank stabilization projects as identified in the WRAPS 9 Element Plan.
- Fully fund the 9-Element Plan implementation (approximately \$140,000/year).

Missouri Regional Planning Area

Guiding Principles

Over the next 50 years, there needs to be an adequate, sustainable and affordable quality water supply in the Missouri Region, while protecting Tribal water rights and sacred and cultural sites. All government agencies, local through state, shall vigorously uphold and enforce all water conservation and management rules and regulations throughout the state.

Assure any future water transfers from the Missouri River be based upon the protection of the priority of water supplies in the Missouri region, protection of private property rights, protection of cultural and heritage sites and consideration of environmental impacts. Ensure any beneficiary of transferred water would have exhausted all other alternatives, including crop types, irrigation practices and all other appropriate conservation measures.



1. Since groundwater quality is not well known, compile existing and collect additional data over the next 5 years to establish a baseline. Within 3 years after the baseline is established, a plan to implement best management practices will be developed to maintain and improve existing conditions. Monitoring and reevaluation of groundwater quality conditions and should continue at 5 year intervals.
2. To ensure a reliable surface water supply in the future, best management practices will be implemented so surface water quality in identified drainages is maintained or improved using goals and milestones as identified in the Missouri Watershed Restoration and Protection area 9 Element Plan.
3. Collect additional information to improve safe yield estimate of groundwater and tributary streams within 3 years. Place a moratorium on additional permits until safe yield is identified. Once determined, only issue permits that do not exceed that yield. Safe yield should then be continuously monitored.
4. Within 3-5 years the state should initiate a comprehensive education and outreach program. By the time of 8th grade graduation, kids should know where their water comes from, understand the basics of the water cycle, know basic water conservation principles and understand that their actions impact water quality and water quantity. Schools, water providers and conservation districts should be the primary deliverers. A component of the comprehensive program should include enhancing information and outreach on research, technology and management practices using social media and public information outlets.