



Missouri Regional Advisory Committee

Action Plan Implementation Plan

April 3, 2017



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- **Priority Goal 1 & 3 Action Plan**

- **Priority Goal #1:** Establish groundwater baseline, implement best management practices and monitor progress.
- **Priority Goal #3:** Collect additional information to improve safe yield estimate of groundwater and tributary streams within 3 years.

- **Implementation:**

- Contract with Kansas Geological Society to collect existing information. To be completed August 2017.
- We are receiving updates on progress at each meeting.
- Next steps will be determined based on study.



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Priority Goal #2 Action Plan

Priority Goal #2: To ensure a reliable surface water supply in the future.

Implementation:



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a. Collect data to evaluate tile outlet terrace systems

- i. Feb. 14, 2017: Ted Peltier, University of Kansas, presented the constructed wetlands study in Douglas County and reported on ongoing research of tile outlet terraces.
- ii. Asked for some specific information from the 2017 & 2018 study regarding fertilizing methods, moisture conditions and frequency; type of soils and etc.
- iii.



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b. Collect data on benefits of capturing and reusing water on producer's property.

i. Identify willing landowners for data collection.

ii. Identify study purpose and goals:

- *Determine amount (%) of water that was applied can be collected and reapplied for irrigation and determine the nutrients available in the reuse water. Identify receiving stream impacts.*

i. Identify data to be collected and method collection and analysis

ii. Secure funding for data collection and analysis.

iii. Complete study. *(Possibly by KSU, Highlands Community College, Benedictine College Students etc.)*

iv.



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c. Gather information on extreme events on water quality and availability.

- i. Identify resources (NOAA, USGS, KGS, EPA, ???)
- ii. Schedule presentation to RAC and review information
- iii. Next steps depend on information.



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- d. **Explore what programs that other states, interest groups, organization have that are applicable to water protection in our area.**
 - i. Establish sub-committee to monitor US Corps of Engineers activities relating to the Missouri River and inform RAC on issues.
 - ii. Generate comments on the Missouri River Recovery Management Plan EIS.
 - iii. Presentation on April 3rd, 2017 on the Independence-Sugar Watershed Healthy Watershed project sponsored by MO-KÁN and Mo. DNR



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- iv. Invite organizations such as Quail Unlimited, Pheasants Unlimited, Kansas Forest Service, KDWPT, and etc. to a RAC meeting to discuss their programs.
- v. Have conversations with Missouri, Iowa and Nebraska natural resources or water resource departments to learn of successful programs they have.
- vi. RAC representatives attend other state conferences (similar to Kansas Governors Conference)
- vii. Evaluate any programs that appear to be applicable to the Missouri Region.
- viii.



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- e. **Support and encourage implementation of Best Management Practices (BMPs) and the 9-Element Plan. Prevent sedimentation by using existing cost-share programs.**
 - i. WRAPS members, NCRS and Conservation District personnel attend the Missouri RAC meetings and present on relevant issues.
 - ii. Members of the RAC attend Missouri River WRAPS meetings
 - iii. Major limiting factor is funding for incentive programs. RAC chairman participated in State legislative lobbying efforts for more funding.
 - iv.



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- f. Find local volunteers to be early adaptors and who will demonstrate new projects and or practices.**
 - i.**
 - ii.**
 - iii.**



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- g. Ensure the value of maintenance of BMPs through education and outreach. Recognize the value of protection of water quality through education and outreach. Raise awareness about water quality and the importance of proper urban lawn application.**
 - i. When it is available, encourage the use of educational material prepared by the Education and Outreach team of the Vision group by schools, libraries, local newspapers and municipalities. Make the materials available for their use.
 - ii. Identify other material pertaining to the wise use and protection of water and provide the material to the public as above
 - iii. Provide information on the wise urban lawn application of water, fertilizers, and pesticides for distribution by the Public Water Suppliers.
 - iv. Provide a speaker service from RAC or Agency personnel.
 - v.



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- h. Determine if additional monitoring sites are needed**
 - i. This will be evaluated after KGS study is completed and as BMP implementation evaluations are completed.