



December 14, 2016, Council Grove, Kansas

September 28, 2016, Iola, Kansas

August 19, 2016, Emporia, Kansas

July 28, 2016, Chanute, Kansas

June 22, 2016, Hillsboro, Kansas

May 5, 2016, Burlington, Kansas

January 15, 2016, Pittsburg, Kansas



# Neosho Regional Advisory Committee Meeting Notes

## Neosho Regional Advisory Committee Meeting

2:00pm, Wednesday, December 14, 2016

Council Grove City Hall

205 North Union,

Council Grove, KS

### Members in Attendance:

Name	City	Category	Term	Present
Angela Anderson (Chair)	Allen, KS	WRAPs	2019	Yes
Joe Buchanan	Council Grove, KS	Public Water Supply (cc)	2017	Yes
Jay Byers	Pittsburg, KS	At Large Public (cc)	2017	Yes
Phillip Cooper	Emporia, KS	Water Assurance District	2019	No
Wes Fleming	Burlington, KS	Industry/Commerce (cc)	2019	Yes
John Hough	Cherokee, KS	Industry/Commerce	2017	No
Gary Kilgore	Chanute, KS	Agriculture (cc)	2019	No
Brian Obermeyer	Cottonwood Falls, KS	Conservation/Environment	2019	Yes
Larry Paine	Hillsboro, KS	At Large Public	2019	Yes
Pat Sauble	Cedar Point, KS	Agriculture	2017	No
James Triplett	Pittsburg, KS	Conservation/Environment (cc)	2017	Yes
Vacant		Agriculture Industry	2017	
Vacant		Ranching/Grazing	2019	

### Others in attendance:

Name	Agency
Terry Medley	KDA-DWR
Katie Tietsort	KDA-DWR
Jeff Davidson	KSU
Pamela Walker	Wilson Co. Conservation District
Larry Fischer	Council Grove City Lake
Katie Burke	KDA-DOC
Gary Kepley	USACE – SWT
Andy Lyons	KDHE
Cara Hendricks	KWO
Bobbi Luttjohann	KWO

- Welcome and Introductions:** The meeting was called to order at approximately 2:00 p.m. by Chairperson, Angela Anderson. All present provided self-introductions. Angela thanked Joe Buchanan (PWS) for securing the meeting venue.
- Review of the September Meeting Notes:** The minutes from the September meeting were discussed. There were no corrections or additions.
- Drought Tournament and Model:** Angela Anderson (Chair), Wes Fleming (Industry/Commerce), and Jim Triplett (Conservation/Environment) provided an overview of the Drought Tournament that was conducted on

**Membership:** Angela Anderson, Chair, Allen, KS; Joe Buchanan, Council Grove, KS; Jay Byers, Pittsburg, KS; Philip Cooper, Emporia, KS; Wes Fleming, Burlington, KS; John Hough, Cherokee, KS; Gary Kilgore, Chanute, KS; Brian Obermeyer, Cottonwood Falls, KS; Larry Paine, Hillsboro, KS; Pat Sauble, Cedar Point, KS; James Triplett, Pittsburg, KS

**KWO Planner:** Bobbi Luttjohann, 785-296-3185; [bobbi.luttjohann@kwo.ks.gov](mailto:bobbi.luttjohann@kwo.ks.gov)

December 1<sup>st</sup> in Emporia. Cara Hendricks (KWO) discussed the ability to conduct model runs to provide information for plan implementation and as a way to prioritize goals and plans. Cara stated she will create a write-up of the options, etc. that could be simulated and/or are listed in the RACs plans. She will then take feedback and possible option inputs from the RACs. Cara also noted that it would be best to incorporate input from other entities involved in water supply planning.

#### 4. Regional Advisory Committee

##### a. Past

- i. Goal Drafting Process: Bobbi Luttjohann (KWO) opened up the discussion to receive feedback on how the RAC thought the goal and plan drafting process was conducted. Bobbi asked for feedback on if the RAC thought that plan creation process the RAC went through was effective and what could be done differently.

The RAC discussed that the information transfer process can be difficult and requires knowledge of language and use of good communication. The RAC noted that knowing what were/are the expectations of them was sometimes confusing. They would like a constant flow of information, even if not asked for, because sometimes the RAC is not sure how or what information to ask for. The RAC thought it was frustrating that the goals were “set in stone” and had to create implementation plans around them. The RAC would have liked to have had the ability to tweak goals and have more input.

It was also noted that the grassroots process that was started with, ended with a top down process as a result.

##### b. Present

- i. Update of items requested: Bobbi Luttjohann (KWO) discussed information needed to be provided on the PWS systems within the Region. Items discussed were storage needs, sediment loads, and possible water shortages by location.

Katie Burke: (KDA-DOC): reported that the KDA and KWO are working on mapping project for load reduction by HUC 12. Sediment, nitrogen, and phosphorus can be mapped along with associated cost to show efficiency. The timeframe of the data used for the mapping project is 2004-2015.

##### c. Future

- i. RAC Plans: Bobbi Luttjohann (KWO) discussed implementation of RAC plans and that prioritization will be needed. Bobbi also noted that the Plans will be incorporated into State Water Plan.
- ii. Membership: Bobbi Luttjohann (KWO) provided information on upcoming RAC membership issues, including membership expiration dates, chair changes, and the need for vice-chairs. The RAC then discussed that Nik Roth has not attended any RAC meetings and should be removed from the RAC. Jim Triplet (Conservation/Environment) made a motion to remove Nik Roth from the Neosho RAC due to nonattendance. The motion was seconded by Larry Paine (At-Large Public). It was discussed that with the removal of Nik Roth there are now 2 vacancies on the Neosho RAC. Attempts have been made to recruit members, but with no success. Additional recruitment will continue. Unanimous approval was given.
- iii. Spring Meeting: Bobbi Luttjohann (KWO) discussed that the RAC would most likely need to have a meeting in March or April to discuss the state of the Region, plan implementation, and vision updates. At the Spring meeting the drought simulation model and load reduction mapping may be presented if completed by this time.

5. **Vision Video: Discussion:** Angela Anderson (Chair) reported on the film about the Vision that was shown at the Governor's Water Conference. Angela asked for input on when and how the RAC would like to view the video. She noted that some edits needed to be completed before it was ready to be shown. The RAC decided that once the video was done being edited they would decide on when and where to watch the video. Bobbi Luttjohann (KWO) reported that Jim Whitt (video's creator) discussed the idea of showing the video that was presented at the Governor's Conference about the Vision to all of the RAC committees.
6. **Vision Update:** Bobbi Luttjohann (KWO) provided an update on the Vision process and what was to be expected in the near future. Bobbi reported that the Phase II Action items are 50% underway and we will be holding public hearings in early 2017 to complete the process and incorporate the Vision and Education supplement into the State Water Plan. She also reported that the BRFTF is in the process of finalizing their report to be delivered to the Governor. If it is approved by all, then the KWO will be presenting it to the KWA at their December 15, 2017 meeting in Wichita. Bobbi noted that at this time it is unclear whether the KWA will take any formal action on it, however, it is not necessary for them to do so as it will go to the Governor, from the BRFTF, regardless. Once the report has been signed and delivered to the Governor, the KWO will post it on the website.

### 7. **Questions and Future Issues from Members:**

The RAC discussed the legislative visits that take place during the January KWA meeting. Angela Anderson (chair) noted that the KWO puts together a water talking points packet for all of RAC and KWA members to use during the legislative visits. The RAC requested copies of the packets so they can use when talking to legislators at other times too. Bobbi Luttjohann (KWO) noted there will also be a prep conference call for RAC and KWA members prior to the legislative visits. Any and all RAC members can join the call.

The RAC discussed the RCPP CIG proposal from KAWS. It was noted that the CIG goals are in line with RAC goals and that this is a good education tool to get people interested in planting cover crops. Therefore, the RAC noted they would like to draft a letter of support. Wes Fleming (Industry/Commerce) made a motion to draft a letter of support. The motion was seconded by Jim Triplett (Conservation/Environment). There was no discussion and unanimous approval was given.

### 8. **Agency and Public Input:**

Katie Burke (KDA-DOC): gave an update on the on the streambank work being conducted in the Cottonwood-Neosho Region. Katie reported that Jeff Davidson (KSU) is the local contact for landowners. She noted that 8 projects are underway.

Larry Fischer (CGCLA): reported on the group he works with in reference to Council Grove City Lake.

Andy Lyon (KDHE): reported on the WRAPS 9 Element Plan reviews. Andy noted this is a planned review and not as a response based on any poor performance. He noted the WRAPS 9 Element Plans are living documents and need proper revision in a timely manner.

Jeff Davidson (KSU): reported on the WRAPS projects he is involved in, including Eagle Creek and Cottonwood WRAPS.

Terry Medley (KDA): reported on the flood mapping project KDA is working on. This project will begin in 2017 for the upper portion of the Neosho Region. He noted there will be public meetings held to present the mapping projects.

Katie Tietsort (KDA): reported that the 2016 WURs were printed on December 13th and will be going out to water right holders after January 1st. Katie then reported that it is very important to note that if a water right holder does not file their WUR by March 1st then a \$250 fee will be assessed. If the WUR is not filed by June 1st then a \$1,000 fee will be assessed.

Pamela Walker (Wilson County Conservation District): reported that she was there to represent the Conservation District and offer any assistance to the RAC that they may need.

### 9. Future Meetings:

- a. Kansas Water Authority: December 15, 2016: iSi Environmental, 215 S. Laura Street, Wichita, KS
- b. Kansas Water Authority (and legislative visits): January 24-25, 2017: Topeka, KS
- c. Neosho RAC: TBD after January KWA Meeting (Spring)



# Neosho Regional Advisory Committee Meeting Notes

## Neosho Regional Advisory Committee Meeting

1:00pm, Wednesday, September 28, 2016

Iola Water Treatment Plant

1220 Highway 54 West

Iola, KS

### Members in Attendance:

Name	City	Category	Term	Present
Angela Anderson (Chair)	Allen, KS	WRAPs	2019	Yes
Joe Buchanan	Council Grove, KS	Public Water Supply (cc)	2017	No
Jay Byers	Pittsburg, KS	At Large Public (cc)	2017	No
Phillip Cooper	Emporia, KS	Water Assurance District	2019	No
Wes Fleming	Burlington, KS	Industry/Commerce (cc)	2019	Yes
John Hough	Cherokee, KS	Industry/Commerce	2017	No
Gary Kilgore	Chanute, KS	Agriculture (cc)	2019	Yes
Brian Obermeyer	Cottonwood Falls, KS	Conservation/Environment	2019	No
Larry Paine	Hillsboro, KS	At Large Public	2019	No
Nik Roth	Emporia, KS	Agriculture Industry	2017	No
Pat Sauble	Cedar Point, KS	Agriculture	2017	Yes
James Triplett	Pittsburg, KS	Conservation/Environment (cc)	2017	Yes

### Others in attendance:

Name	Agency
Terry Medley	KDA/DWR
Julie Carey	USACE
Andy Lyons	KDHE
Dana Ladner	KDA
Bobbi Lutjohann	KWO

1. **Welcome and Introductions:** The meeting was called to order at approximately 1:15 p.m. by Chairperson, Angela Anderson. All present provided self-introductions.
2. **Review of the August Meeting Notes:** The minutes from the August meeting were discussed. There were no corrections or additions. Angela noted that the RAC Implementation Plans, developed and approved, at the August RAC meeting, were presented to, and approved by the KWA on September 1<sup>st</sup>.
3. **Priority Goal:**
  - a. Action Plan for Priority Goals
    - i. **Review of Proposed Draft Action Plan for Education Goals:** Dana Ladner (KDA) presented to the RAC on the Draft Action Plan for the Vision's Education Goals.
      1. The RAC discussed the draft plan.
      2. The following comments were provided:

Grant Program: Resource Management: The BOW– KDHE is involved directly with waste management and waste management education in schools. The Green Schools Initiative Grant Program is a program administered and utilized by

**Membership:** Angela Anderson, Chair, Allen, KS; Joe Buchanan, Council Grove, KS; Jay Byers, Pittsburg, KS; Phillip Cooper, Emporia, KS; Wes Fleming, Burlington, KS; John Hough, Cherokee, KS; Gary Kilgore, Chanute, KS; Brian Obermeyer, Cottonwood Falls, KS; Larry Paine, Hillsboro, KS; Nik Roth, Emporia, KS; Pat Sauble, Cedar Point, KS; James Triplett, Pittsburg, KS

**KWO Planner:** Bobbi Lutjohann, 785-296-3185; [bobbi.luttjohann@kwo.ks.gov](mailto:bobbi.luttjohann@kwo.ks.gov)

the BOW. This grant program provides funds, resources, etc. for schools for waste management education. It may be beneficial to piggyback on this effort or mimic their plan of action/implementation. Getting teachers and administration on board, and enthusiastic about water education is important.

University involvement is very critical. Collaboration with community colleges, 4-year universities, etc. is vital and creates a wealth of knowledge. (Example of No-till and claypan soils).

How is the Marketing Firm Chosen? How are they evaluated? It is critical a company is chosen that is relevant to the times.

Teach people that we need to have water walk off, not run off.

Even though people know the information, they still do not practice it. We need to change the culture.

Education is critical so future generations will be better equipped for conservation.

Keeping connected with current educators is critical.

Teach the true value of water. We need to change behaviors, economics do this.

#### 4. Questions and Future Issues from Members:

What is the process to makes changes to the RAC Plans? There will be a meeting at the end of the year for all RACs to discuss past accomplishments, future implementation, and the process the Plans will follow.

What is the BRTF? What have they done? The following link to the BRTF will provide information and status of the BRTF. <http://www.kwo.org/BlueRibbonTaskForce.html>

Streambank erosion and stabilization was discussed.

Oklahoma and GRDA were discussed is reference to work done with those from Kansas, KDHE, etc.

#### 5. Agency and Public Input: None at this time

#### 6. Future Meetings:

a. Vision Education Meeting & Outreach Coordination Team Meeting: October 6, 2016: Kansas Farm Bureau Building, 2627 KFB Plaza, Manhattan, KS

b. Kansas Water Authority: October 19, 2016: Milford Lake Conference Center, 3710 Farnum Creek Road, Milford, KS

c. Vision Education Meeting & Outreach Coordination Team Meeting: November 6, 2016: Kansas Farm Bureau Building, 2627 KFB Plaza, Manhattan, KS

d. Governor's Water Conference on the Future of Water in Kansas: November 14-15, 2016: Manhattan, KS

e. Neosho RAC: TBD at a later date



# Neosho Regional Advisory Committee Meeting Notes

## Neosho Regional Advisory Committee Meeting

1:00pm, Friday, August 19, 2016

Emporia Service Center

3020 W. 18<sup>TH</sup> Ave.

Emporia, KS 66801-6191

### Members in Attendance:

Name	City	Category	Term	Present
Angela Anderson (Chair)	Allen, KS	WRAPs	2019	Yes
Joe Buchanan	Council Grove, KS	Public Water Supply (cc)	2017	Yes
Jay Byers	Pittsburg, KS	At Large Public (cc)	2017	Yes
Phillip Cooper	Emporia, KS	Water Assurance District	2019	No
Wes Fleming	Burlington, KS	Industry/Commerce (cc)	2019	Yes
John Hough	Cherokee, KS	Industry/Commerce	2017	No
Gary Kilgore	Chanute, KS	Agriculture (cc)	2019	No
Brian Obermeyer	Cottonwood Falls, KS	Conservation/Environment	2019	No
Larry Paine	Hillsboro, KS	At Large Public	2019	Yes
Nik Roth	Emporia, KS	Agriculture Industry	2017	No
Pat Sauble	Cedar Point, KS	Agriculture	2017	Yes
James Triplett	Pittsburg, KS	Conservation/Environment (cc)	2017	Yes

### Others in attendance:

Name	Agency
Tracy Karcher	NRCS
Terry Medley	KDA/DWR
Jo-Bea Titus-Hutchison	MOCO Conservation District
Clifford Thornton	USDA-NRCS
Pamela Walker	WLCO Conservation District
Abby Carpenter	NOCO Conservation District
Mike Irisk	Public
Andy Lyons	KDHE
Trevor Flynn	KDHE
Bobbi Luttjohann	KWO

- Welcome and Introductions:** The meeting was called to order at approximately 1:00 p.m. by Chairperson, Angela Anderson. All present provided self-introductions. Angela commented on the streambank site visit, of Site 56, that was conducted prior to the RAC meeting at Peter Pan Park. Angela thanked Tracy Karcher, NRCS, for use of the meeting room.
- Review of the July Meeting Notes:** The minutes from the July meeting were discussed. There were no corrections or additions.
- Priority Goal:**
  - Action Plan for Priority Goals

**Membership:** Angela Anderson, Chair, Allen, KS; Joe Buchanan, Council Grove, KS; Jay Byers, Pittsburg, KS; Philip Cooper, Emporia, KS; Wes Fleming, Burlington, KS; John Hough, Cherokee, KS; Gary Kilgore, Chanute, KS; Brian Obermeyer, Cottonwood Falls, KS; Larry Paine, Hillsboro, KS; Nik Roth, Emporia, KS; Pat Sauble, Cedar Point, KS; James Triplett, Pittsburg, KS

**KWO Planner:** Bobbi Luttjohann, 785-296-3185; [bobbi.luttjohann@kwo.ks.gov](mailto:bobbi.luttjohann@kwo.ks.gov)



- b. **Review of Proposed Draft Action Plan:** The RAC reviewed the current draft plan that was proposed during the previous RAC meetings and via email. The RAC discussed changes offered by Brian Obermeyer, Jay Byers, Wes Fleming, Gary Kilgore, and Larry Paine, via email. The RAC then discussed the drafting of the Action Plan:

**Goal 1:** Prolong the water supply storage in John Redmond Reservoir to the year 2065 by reducing the sedimentation rate by an average of 300 acre-feet per year through watershed practices such as no-till, filter strips and streambank stabilization. By 2025, all streambank hotspots will be stabilized. By 2030, 80% of the priority cropland in need of conservation will be treated with no-till practices.

### Plan

The Kansas Water Office (KWO) is directed to work with the Streambank Team (KWO, KDHE, and KDA-DOC) to stabilize all streambank hotspots, as defined by the KWO, by 2025 in the Cottonwood-Neosho Region above John Redmond Reservoir. Funds will need to be created to fund the stabilization of the streambanks each year to complete reaches in order as they proceed from the reservoir.

The Kansas Water Office, in cooperation with the Kansas Department of Health and Environment, the Kansas Department of Agriculture-Department of Conservation, and the local WRAPS groups, is directed to treat 80% of priority cropland, as defined by the WRAPS 9 element plans, with no-till practices, such as cover crops. In addition, treat with other sedimentation reduction farming practices, filter strips, terraces, and waterways by 2030 in the Cottonwood-Neosho Region above John Redmond Reservoir. Additional funds will need to be created to fund this action as well.

As a component of this plan a review of the sedimentation rate of John Redmond Reservoir will be evaluated. This evaluation will include scheduling and completing a bathymetric survey every 5 years and installing sedimentation monitoring stations to monitor the sedimentation rate and the progress and benefit of sedimentation reduction practices.

As an additional component, the effectiveness of best management practices for effects on hydrology and reduction of sediment and nutrients will be assessed and the information and education will be provided to those implementing practices. The education and information portion can be accomplished through the implementation of a Water Technology Farm (WTF) that incorporates no-till practices and other agriculture BMPs that address sedimentation, along with a possible streambank stabilization project.

To ensure that there are funds available each year a steady funding source must be establish. The best funding source at this time appears to be the issuing of bonds to commence early implementation, and is recommend by the RAC, however, other funding sources are not excluded. Bonds should be sought at an amount no less than 8.5 million/year.

**Goal 2:** Reduce vulnerability to drought by the increasing reservoir storage at Marion and Council Grove Reservoirs through a permanent raise in conservation pool elevation. By 2025, evaluate the feasibility of permanent conservation pool rise at Marion and Council Grove reservoirs. Based on the outcome and findings of the feasibility study, stage increases in permanent pool elevation based on supply needs. Ensure water supply available from storage exceeds projected demand by at least 10% through the year 2050.

### Plan

The Kansas Water Office will continually work with the U.S. Army Corps of Engineers on refining reservoir operations and developing Drought Contingency Plans.

A working group will be created that provides input on the pool rises at Marion, Council Grove, and John Redmond Reservoirs. This group will include the KWO, KDWP&T, KDHE, NRCS, USACE, and USFW.

The working group will look at costs associated with the pool rises and the benefits of increased supply.

Based on the input from the working group and the cost benefit ratio analysis, the feasibility of the pool rises at Marion, Council Grove, and John Redmond Reservoirs will be determined by 2025. Based on that determination, a reallocation study may be implemented.

**Goal 3:** Reduce frequency of algal blooms in Marion Reservoir to no more than every 3 years through 2035. Evaluate the role of water level fluctuations in remediating and reducing algal bloom frequency.

### Plan

A working group will be created that provides input on the evaluation of the algal blooms at Marion. This group will include the KWO, KDWP&T, KDHE, NRCS, USACE, and USFW.

The working group will look at costs associated with algal blooms at Marion and determine the methods that would lead to a reduction in blooms.

Based on the input from the working group and the cost-benefit ratio analysis, the feasibility of algal bloom reduction will be determined.

**Goal 4:** Increase storage in basin below John Redmond through development of additional storage sites. By 2020, complete an assessment of potential reservoir sites in lower portion of the Neosho planning region; including potential off-stream storage sites.

### Plan

The Kansas Water Office is directed to create a report by 2020 to determine the feasibility of developing additional water storage in the Cottonwood-Neosho Region below John Redmond Reservoir. The report will include possible locations of off-stream storage sites, and other possible sources of supply, including groundwater sources and water from other Regions. The report will also include a cost-benefit analysis of creating additional storage. As part of the report the Grand River Dam Authority will be encompassed into the conversation to discuss supply and funding options.

**Goal 5:** Every five years, assess the effectiveness of best management practices for effects on hydrology, reduction of sediment and nutrient, and provide that information and education to those implementing practices. Assessments may include off-stream storage for sediment and nutrient trapping, overland erosion and nutrient sequestration, in reservoir sediment and nutrient movement and re-suspension, and landscape scale watershed modeling project.

This goal is met as the other goals' plans are implemented.

A motion was made by Jim Triplett (Conservation and Environment) and seconded by Larry Paine (At Large Public) to approve the Draft Action Plan to be presented to the KWA for approval. The motion was passed.

#### 4. Questions and Future Issues from Members:

The RAC discussed nominating a new member to fill the current vacant position. Pat Sauble (Agriculture) and Joe Buchanan (PWS) had contacted potential nominees, but both declined. Additional efforts will be made to find nominees to fill the vacant position, including contacting the KLA.

#### 5. Agency and Public Input:

Terry Medley (KDA-DWR): Reported that the annual meeting of the Kansas-Oklahoma Arkansas River Commission has been rescheduled from Wednesday, July 27, 2016 to Wednesday, November 9, 2016 at 9:30 a.m. at the Winfield Public Library, 605 College Winfield, KS 67156. For more information, please follow this link: <http://agriculture.ks.gov/divisions-programs/dwr/interstate-rivers-and-compacts/kansas-oklahoma-arkansas-river-compact>

#### 8. Future Meetings:

- a. Kansas Water Authority: August 31<sup>st</sup> (Tour) and September 1<sup>st</sup> (KWA meeting): Anderson Building, Lyon County Fairgrounds, 2650 US-50, Emporia, KS.
- b. Neosho RAC: The RAC will hold a meeting following the next KWA meeting if there are changes to the Proposed Draft Action Plan recommended by the KWA. At that time a Doodle Poll will be sent out to determine the best possible date. If there are no changes or comments to evaluate from the KWA, the RAC will not plan to meet until after the Governor's Conference. If a meeting is to be held, Camp Wood in Elmdale, KS was suggested as the location.



# Neosho Regional Advisory Committee Meeting Notes

## Neosho Regional Advisory Committee Meeting

9:00am, Thursday, July 28, 2016

Chanute City Offices

Alliance Room (3rd floor)

101 S. Lincoln, Chanute, KS

### Members in Attendance:

Name	City	Category	Term	Present
Angela Anderson (Chair)	Allen, KS	WRAPs	2019	Yes
Joe Buchanan	Council Grove, KS	Public Water Supply (cc)	2017	Yes
Jay Byers	Pittsburg, KS	At Large Public (cc)	2017	Yes
Phillip Cooper	Emporia, KS	Water Assurance District	2019	Yes
Wes Fleming	Burlington, KS	Industry/Commerce (cc)	2019	Yes
John Hough	Cherokee, KS	Industry/Commerce	2017	Yes
Gary Kilgore	Chanute, KS	Agriculture (cc)	2019	No
Brian Obermeyer	Cottonwood Falls, KS	Conservation/Environment	2019	Yes
Larry Paine	Hillsboro, KS	At Large Public	2019	Yes
Nik Roth	Emporia, KS	Agriculture Industry	2017	No
Pat Sauble	Cedar Point, KS	Agriculture	2017	Yes
James Triplett	Pittsburg, KS	Conservation/Environment (cc)	2017	No

### Others in attendance:

Name	Agency
Katie Tietsort	KDA/DWR
Terry Medley	KDA/DWR
Julie Carey	USACE
Clifford Thornton	USDA-NRCS
Bruce Wells	NRCS
Andy Lyons	KDHE
Ginger Harper	KWO
Nathan Westrup	KWO
Bobbi Luttjohann	KWO

- Welcome and Introductions:** The meeting was called to order at approximately 9:00 a.m. by Chairperson, Angela Anderson. All present provided self-introductions. Angela announced there will be a tour of the City of Chanute WTP after the meeting for those that are interested.
- Review of the June Meeting Notes:** The minutes from the June meeting were discussed. There were no corrections or additions.
- Angela Anderson (Chair) stated that Pete Peterson (Grazing/Ranching) had passed away and his position needs to be filled. She also mentioned that the RAC could fill the Grazing/Ranching position that is currently being represented or the RAC could choose to create a new category to be represented on the RAC. Angela asked the RAC to think about possible nominations and categories and discussion would continue after the Draft Plan was discussed.

**Membership:** Angela Anderson, Chair, Allen, KS; Joe Buchanan, Council Grove, KS; Jay Byers, Pittsburg, KS; Phillip Cooper, Emporia, KS; Wes Fleming, Burlington, KS; John Hough, Cherokee, KS; Gary Kilgore, Chanute, KS; Brian Obermeyer, Cottonwood Falls, KS; Larry Paine, Hillsboro, KS; Nik Roth, Emporia, KS; Pat Sauble, Cedar Point, KS; James Triplett, Pittsburg, KS  
**KWO Planner:** Bobbi Luttjohann, 785-296-3185; [bobbi.luttjohann@kwo.ks.gov](mailto:bobbi.luttjohann@kwo.ks.gov)

## 4. Priority Goal:

- a. **Action Plan for Priority Goals:** Nathan Westrup (KWO) presented information about supply and demand and reservoir operations. After reviewing the information that was presented at the June meeting, Nathan discussed what additional modeling, population, supply, storage use, etc. work that will or could be done. Nathan will provide maps, projections, and other related information once it is finalized. That information will be sent out to the RAC via email.
- b. **Review of Proposed Draft Action Plan:** The RAC reviewed the current draft plan that was proposed during the previous RAC meetings and via email. The RAC discussed changes offered by Wes Fleming, Gary Kilgore, and Larry Paine, via email. The RAC then discussed the drafting of the Action Plan:

Goal 1: Prolong the water supply storage in John Redmond Reservoir to the year 2065 by reducing the sedimentation rate by an average of 300 acre-feet per year through watershed practices such as no-till, filter strips and streambank stabilization. By 2025, all streambank hotspots will be stabilized. By 2030, 80% of the priority cropland in need of conservation will be treated with no-till practices.

### Plan

The Kansas Water Office is directed to work with the Streambank Team (KWO, KDHE, and KDA-DOC) to stabilize all streambank hotspots by 2025 in the Cottonwood-Neosho Region above John Redmond Reservoir. Funds will need to be created to fund the stabilization of the streambanks each year to complete reaches in order as they proceed from the reservoir.

The Kansas Water Office, in cooperation with the Kansas Department of Health and Environment, the Kansas Department of Agriculture-Department of Conservation, and the local WRAPS groups, is directed to treat 80% of priority cropland with no-till practices, and other sedimentation reduction practices, by 2030 in the Cottonwood-Neosho Region above John Redmond Reservoir. Additional funds will need to be created to fund this action as well.

As a component of this plan a review of the sedimentation rate of John Redmond Reservoir will be evaluated. This evaluation will include scheduling and completing a bathymetric survey every 5 years and installing sedimentation monitoring stations to monitor the sedimentation rate and the progress and benefit of sedimentation reduction practices.

As an additional component, the effectiveness of best management practices for effects on hydrology and reduction of sediment and nutrients will be assessed and the information and education will be provided to those implementing practices. The education and information portion can be accomplished through the implementation of a Water Technology Farm (WTF) that incorporates no-till practices and other additional BMPs, and a possible streambank stabilization project.

Bonding would be the best method to ensure that there are funds available each year. Bonds should be sought at an amount no less than 8.5 million/year.

Goal 4: Increase storage in basin below John Redmond through development of additional storage sites. By 2020, complete an assessment of potential reservoir sites in lower portion of the Neosho planning region; including potential off-stream storage sites.

### Plan

The Kansas Water Office is directed to create a report by December 31, 2017 to determine the feasibility of development of additional storage sites in the Cottonwood-Neosho Region below John Redmond Reservoir. The report will include possible locations of off-stream storage sites, other possible sources of supply, including groundwater sources and pumping water from other Regions, and the benefit of creating additional storage based on quantity provided and associated costs. As part of the report Grand River Dam Authority will be encompassed into the conversation to discuss supply and funding options.

Goal 2: Reduce vulnerability to drought by the increasing reservoir storage at Marion and Council Grove Reservoirs through a permanent raise in conservation pool elevation. By 2025, evaluate the feasibility of permanent conservation pool rise at Marion and Council Grove reservoirs. Based on the outcome and findings of the feasibility study, stage increases in permanent pool elevation based on supply needs. Ensure water supply available from storage exceeds projected demand by at least 10% through the year 2050.

Goal 3: Reduce frequency of algal blooms in Marion Reservoir to no more than every 3 years through 2035. Evaluate the role of water level fluctuations in remediating and reducing algal bloom frequency.

### Plan

The Kansas Water Office will continually work with the US Army Corps of Engineers on refining reservoir operations and developing Drought Contingency Plans.

A working group will be created that provides input on the pool rises at Marion, Council Grove, and John Redmond Reservoirs and the algal blooms at Marion. This group will include the KWO, KDWP&T, KDHE, NRCS, USACE, and USFW.

The working group will look at costs associated with the pool rises and the benefits of increased supply.

The working group will look at costs associated with algal blooms at Marion and determine the methods that would lead to a reduction in blooms.

Based on the input from the working group and the cost benefit ratio, the feasibility of the pool rises at Marion, Council Grove, and John Redmond Reservoirs will be determined by 2025. Based on that determination, a reallocation study may be implemented.

Based on the input from the working group and the cost benefit ratio, the feasibility of algal bloom reduction will be determined.

Goal 5: Every five years, assess the effectiveness of best management practices for effects on hydrology, reduction of sediment and nutrient, and provide that information and education to those implementing practices. Assessments may include off-stream storage for sediment and nutrient trapping, overland erosion and nutrient sequestration, in reservoir sediment and nutrient movement and re-suspension, and landscape scale watershed modeling project.

This goal is met as the other goals' plans are implemented.

- 5. RAC Membership:** The RAC discussed nominating a new member to fill the position being left vacant by the passing of Pete Peterson. The RAC would like to keep the current category of Ranching/Grazing. Shawn Tiffany was suggested as a possible candidate. Joe Buchanan (PWS) will contact him. If Shawn does not accept the nomination KLA will be contacted.

### 6. Questions and Future Issues from Members or Agencies:

Brian Obermeyer (Conservation/Environment) reported that they have been working on the restoration of the Cedar Point Mill with incorporation of a fish passage. They are currently looking at a feasibility study to determine funding needs and possibilities.

### 7. Agency and Public Input:

Julie Carey (USACE) reported that the USACE is working towards changing how environmental projects are funded. Julie stated with the change there is more possible local control. Julie then stated she could possibly add streambank stabilization work as a budget item for possible future funding. She also mentioned that KSU is funding an experimental farm near Neosho Rapids and could be contacted to partner on a possible WTF.

Clifford Thornton (NRCS): reported that EQUIP and stewardship applications are being reviewed and distributed.

Bruce Wells: reported that water supply rehabilitation is now an authorized activity under the PL-566 Program. Bruce explained the rehabilitation and water supply process for the PL-566 program. Bruce also mentioned the assistance that could be provided to look at PL-566 rehabilitation, including bathymetry work.

### 8. Future Meetings:

- a. Kansas Water Authority: August 31<sup>st</sup> (Tour) and September 1<sup>st</sup> (KWA meeting): Anderson Building, Lyon County Fairgrounds, 2650 US-50, Emporia, KS.
- b. Neosho RAC: The RAC will hold a meeting in mid-August to finalize the Proposed Draft Action Plan. The RAC would like a tour of a streambank stabilization project at the August RAC meeting. Therefore, the next meeting will be held in Emporia at a location TBD. A Doodle Poll will be sent out to determine the best possible date and time for the RAC to meet.



# Neosho Regional Advisory Committee Meeting Notes

## Neosho Regional Advisory Committee Meeting

1:00 pm, Wednesday, June 22, 2016

Hillsboro City Hall

118 E Grand

Hillsboro, KS 67063

(Community Room)

### Members in Attendance:

Name	City	Category	Term	Present
Angela Anderson (Chair)	Allen, KS	WRAPs	2019	Yes
Joe Buchanan	Council Grove, KS	Public Water Supply (cc)	2017	Yes
Jay Byers	Pittsburg, KS	At Large Public (cc)	2017	No
Phillip Cooper	Emporia, KS	Water Assurance District	2019	No
Wes Fleming	Burlington, KS	Industry/Commerce (cc)	2019	Yes
John Hough	Cherokee, KS	Industry/Commerce	2017	Yes
Gary Kilgore	Chanute, KS	Agriculture (cc)	2019	No
Brian Obermeyer	Cottonwood Falls, KS	Conservation/Environment	2019	Yes
Larry Paine	Hillsboro, KS	At Large Public	2019	Yes
Nik Roth	Emporia, KS	Agriculture Industry	2017	No
Pat Sauble	Cedar Point, KS	Agriculture	2017	Yes
James Triplett	Pittsburg, KS	Conservation/Environment (cc)	2017	Yes

### Others in attendance:

Name	Agency
Milton McCabe	KDA/DWR
Rob Reschke	KDA/DOC
Lisa Suderman	Marion County
Doug Svitak	Marion County
Jim Krueger	KACD
Clifford Thornton	USDA-NRCS
Kat Bailey	GLWAF
Cristen Knight	GLWAF
Andy Lyons	KDHE
Kirk Tjelmeland	KWO
Cara Hendricks	KWO
Nathan Westrup	KWO
Bobbi Luttjohann	KWO

- Welcome and Introductions:** The meeting was called to order at 1:00 p.m. by Chairperson, Angela Anderson. All present provided self-introductions. Angela thanked Larry Paine for setting up the meeting location and hosting the RAC.
- Review of the May Meeting Notes:** The minutes from the May meeting were discussed. There were no corrections or additions.

**Membership:** Angela Anderson, Chair, Allen, KS; Joe Buchanan, Council Grove, KS; Jay Byers, Pittsburg, KS; Philip Cooper, Emporia, KS; Wes Fleming, Burlington, KS; John Hough, Cherokee, KS; Gary Kilgore, Chanute, KS; Brian Obermeyer, Cottonwood Falls, KS; Larry Paine, Hillsboro, KS; Nik Roth, Emporia, KS; Pat Sauble, Cedar Point, KS; James Triplett, Pittsburg, KS

**KWO Planner:** Bobbi Luttjohann, 785-296-3185; [bobbi.luttjohann@kwo.ks.gov](mailto:bobbi.luttjohann@kwo.ks.gov)



### 3. Priority Goal:

- a. May 18<sup>th</sup> and 19<sup>th</sup> KWA Meeting: Angela Anderson (Chair) reported that she had reported on the RACs goals, plans, and request for additional information to the KWA. Angela reported that the feedback the KWA provided was positive and that the KWA noted that they appreciated the RAC looking at the current funding options.  
Bobbi Luttjohann (KWO) reported that the feedback the KWA offered was very positive on the work the RAC had done and the plan they were working towards. The KWA appreciated the fact that the RAC had looked at work that had already been completed and that the RAC was asking for additional information to become better informed to write the most appropriate and useful implementation plan.
- b. Bobbi Luttjohann (KWO) reported that the Blue Ribbon Task Force (BRTF) meeting was held June 16<sup>th</sup> in Topeka. The draft proposal for funding was sent to the RAC prior to the meeting. The link can be found [http://www.kwo.org/Vision/BRTF/tbl\\_revenue\\_options\\_052616\\_BRFTF\\_Edits\\_06162016.pdf](http://www.kwo.org/Vision/BRTF/tbl_revenue_options_052616_BRFTF_Edits_06162016.pdf) here:  
Bobbi reported that the points to highlight about the BRTF meeting and the draft proposal is that:
  - i. No organization represented on the Task Force has taken action to endorse this proposal.
  - ii. The next meeting will be held August 4, 2016, in Manhattan, KS. Time and specific location TBD.
  - iii. At the next meeting, more work will be done on the funding ideas put forth in this proposal.
  - iv. Please contact the Kansas Water Office if you have any questions about this draft funding proposal.
- c. Nathan Westrup (KWO) and Cara Hendricks (KWO) presented a review of information items requested from the January meeting to help understand water supply and demand and sedimentation reduction practices in the Neosho Region. Items concerning supply and demand, reservoir operations, BMPs, etc. were discussed.  
Rob Reschke (KDA-DOC) and Andy Lyons (KDHE) noted the cost differences associated with the streambank stabilization and BMP implementation.

After hearing all information presented drafts plans were discussed for the goals. The RAC decided it would be best to draft plans via email and come back in July to finalize plans and vote to approve them.

4. Bobbi Luttjohann (KWO) provided an update of the John Redmond Reservoir Dredging Update. The tour provided at the last meeting was discussed.
5. Bobbi Luttjohann (KWO) provided an update of the Cottonwood Streambank Stabilization Projects.

### 6. Members Reports:

Jim Triplett (Conservation/Environment) reported that Darrell Townsend from GRDA was installing water quality remote sensing devices at Grand Lake. Jim reported that water quality sensing devices were to be installed at protected sites and the information collected would be on GRDA's website. He mentioned that this could help track the number of blue-green algae cells. Jim then introduced the interns from GLWAF, Kat Bailey who was working on social media and Cristen Knight who was working on the one-stop shop website clearing house.

Brian Obermeyer (Conservation/Environment) reported that Tallgrass Prairie National Preserve is a sight for KDHE atmospheric nutrition loading survey to investigate the relationship with blue-green algal blooms. Brian stated he would forward KDHE's report.

### 7. Agency and Public Input:

Rob Reschke (KDA-DOC) reported the DOC was wrapping up FY2016. Rob also reported on the allocations to conservation districts and how those projects are ranked. He stated there was a map created to show what projects had been completed. These projects included those done through WRAPS, conservation districts, NRCS, etc. and would have information on the BMPs and show the load reduction in planning/targeted areas. The map would be a visualize representation of the projects implemented across the state and this could be shown to entities like EPA.

Andy Lyons (KDHE) reported on the 3 WRAPS groups that received new sponsoring agencies. These were Cottonwood WRAPS and the new sponsor is Marion County Conservation District, Upper Neosho WRAPS and the new sponsors are KAWS and Allen County Conservation District, and Spring River WRAPS and the new sponsor is GLWAF.

Clifford Thornton (NRCS) reported that they are currently reviewing applications in July. The review process is extensive and important because the best applications equal the best projects. Clifford also reported that State Conservation is reviewing the SE Kansas area office staff and services to conservation partners. These types of reviews occur every 4 years.

### 8. Future Meetings:

- a. Kansas Water Authority: August 31<sup>st</sup> and September 1<sup>st</sup>: Anderson Building, Lyon County Fairgrounds, 2650 US-50, Emporia, KS
- b. Neosho RAC: Date July 25-29 Time: TBD Location: Chanute Doodle poll to be sent out.



# Neosho Regional Advisory Committee Meeting Notes

**Neosho and Verdigris  
Regional Advisory Committee Joint Meeting  
1:00 p.m., Tuesday, May 5, 2016  
Black Bear Basin Center  
Burlington, KS**

**Members in Attendance from the Neosho RAC:**

Name	City	Category	Term	Present
Angela Anderson (Chair)	Allen, KS	WRAPs	2019	Yes
Joe Buchanan	Council Grove, KS	Public Water Supply (cc)	2017	No
Jay Byers	Pittsburg, KS	At Large Public (cc)	2017	Yes
Phillip Cooper	Emporia, KS	Water Assurance District	2019	Yes
Wes Fleming	Burlington, KS	Industry/Commerce (cc)	2019	Yes
John Hough	Cherokee, KS	Industry/Commerce	2017	Yes
Gary Kilgore	Chanute, KS	Agriculture (cc)	2019	No
Brian Obermeyer	Cottonwood Falls, KS	Conservation/Environment	2019	Yes
Larry Paine	Hillsboro, KS	At Large Public	2019	Yes
Galen (Pete) Peterson	Burdick, KS	Ranching/Grazing	2019	No
Nik Roth	Emporia, KS	Agriculture Industry	2017	No
Pat Sauble	Cedar Point, KS	Agriculture	2017	Yes
James Triplett	Pittsburg, KS	Conservation/Environment (cc)	2017	Yes

**Members in Attendance from the Verdigris RAC:**

Name	City	Category	Term	Present
Doug Blex (Chair)	Independence, KS	WRAPs	2019	Yes
Sam Atherton	Cherryvale, KS	At Large Public (cc)	2017	Yes
John Black	Howard, KS	Agriculture	2019	No
John Ditmore	Coffeyville, KS	Industry/Commerce (cc)	2019	No
Harold Engle	Madison, KS	Agriculture (cc)	2017	Yes
Gary Kelley	Sedan, KS	Conservation/Environment	2019	Yes
Ken McNickle	Mound City, KS	Public Water Supply	2017	Yes
Charles Shively	Coffeyville, KS	Public Water Supply (cc)	2019	Yes
Debbie Smith	Neodesha, KS	Conservation/Environment (cc)	2017	No
Ronald Smith	Fredonia, KS	Industry/Commerce	2017	Yes

**Others in attendance:**

Name	Agency
Katie Tietsort	KDA/DWR
Terry Medley	KDA/DWR
Eugene Goff	USACE- John Redmond
Clifford Thornton	NRCS
Jim Rudeen	WCNOC
Julie Carey	USACE - Tulsa

**Membership:** Angela Anderson, Chair, Allen, KS; Joe Buchanan, Council Grove, KS; Jay Byers, Pittsburg, KS; Philip Cooper, Emporia, KS; Wes Fleming, Burlington, KS; John Hough, Cherokee, KS; Gary Kilgore, Chanute, KS; Brian Obermeyer, Cottonwood Falls, KS; Larry Paine, Hillsboro, KS; Galen (Pete) Peterson, Burdick, KS; Nik Roth, Emporia, KS; Pat Sauble, Cedar Point, KS; James Triplett, Pittsburg, KS  
**KWO Planner:** Bobbi Lutjohann, 785-296-3185; [bobbi.lutjohann@kwo.ks.gov](mailto:bobbi.lutjohann@kwo.ks.gov)

Craig Adkinson	WCNOC
Trevor Flynn	KDHE
Jason Solomon	KDHE - SEDO
Andy Lyons	KDHE
John Head	
Matt Unruh	KWO
Bobbi Luttjohann	KWO

**1. Welcome and Introductions:** Welcome and Introductions: The meeting was called to order at approximately 1:10p.m. by Chairpersons, Angela Anderson (Neosho) and Doug Blex (Verdigris). They thanked Wes Fleming for hosting the RACs and the lunch held prior to the meeting. All present provided self-introductions.

**2. Review of the December Meeting Notes:** The minutes from the January meetings were discussed. There were no corrections or additions.

**3. Priority Goals:**

a. **KWA discussion:** Chairpersons, Angela Anderson (Neosho) and Doug Blex (Verdigris) reviewed what was discussed at the January KWA meeting in Topeka. Angela and Doug noted that they explained the regional goals, including their importance and implementation. The KWA did not have any questions at that time. Angela and Doug reported on their legislative visits they attended the day prior to the KWA meeting.

b. **April Blue Ribbon Task Force (BRTF) Meeting Update:** Bobbi Luttjohann (KWO) provided an update of the April 19th BRTF public meeting held in the Old Supreme Court Room at the Capital Building. No recommendations have come from the BRTF at this time. They will most likely provided feedback at their June 16, 2016 meeting. Angela spoke on the main themes to fund the SWP Fund.

c. Action Goals for Priority Goals:

i. **Regional Goal Implementation Review and Draft Plan:**

Andy Lyon (KDHE) provided information on the WRAPS programs and their 9 element plans.

Prior to the Meeting, Dan Haines (KAWS) presented on the RCPP.

During this time the RACs discussed bot the RCPP and WRAPS as well as conservation districts.

The first goal of the Neosho Region is: “Prolong the water supply storage in John Redmond Reservoir to the year 2065 by reducing the sedimentation rate by an average of 300 acre-feet per year through watershed practices such as no-till, filter strips and streambank stabilization. By 2025, all streambank hotspots will be stabilized. By 2030, 80% of the priority cropland in need of conservation will be treated with no-till practices.”

The first goal of the Verdigris Region is: “In order to manage the water storage capacity in our region, evaluate different processes of managing our reservoirs by 2020. Then using best management practices, including consideration of cost/benefit of the practices: increase water storage capacity by 10 % every 10 years with priority given to existing structures, and ensure water supply available from storage exceeds projected demand by at least 10% through the year 2050.”

The draft plan will include and be presented by Angela (Neosho RAC Chair) and Doug (Verdigris RAC Chair) to the KWA:

Support financially and ecologically efficient efforts already in process that are prolonging water supply in the reservoirs, such as WRAPS watershed practices, dredging, and streambank stabilization work. However, to continue to ensure and protect water supply and reduce sediment, the RACs will be looking at the economic impact incurred from algal blooms, as well as other sediment and nutrient related problems. Begin work with RCPP to reduce both sediment and nutrients within the watershed and look to increase area covered in the RCPP grant to include not only the area above John Redmond Reservoir, but also above other reservoirs in the Verdigris and Neosho Regions. To fund possible projects explore innovative ways to invest any increasing water marketing revenue into watershed restoration and water supply protection.

RAC members will work to gather a listing of the entities and programs that are involved with the Verdigris and Neosho Regions in relation to water supply and water quality and sedimentation reduction. Once those resources are gathered the working list will be compiled by the KWO and then RAC members will work to seek out partners and funding opportunities within those programs, entities, and resources to fund the securing of water supply storage and sedimentation reduction.

**4. Questions and Future Issues from Members or Agencies: None were noted**

**5. Review and Public Comment on Regulations:** Terry Medley (KDA-DWR): Gave a legislative update, including an update on rules and regulations. Katie Tietsort (KDA-DWR) specially mentioned that Water Use Report March 1st deadline filing penalty.

**6. Future Meetings:**

- a. Kansas Water Authority: May 18-19th, : Buffalo Bill Cultural Center, 3083 US Hwy 83, Oakley, KS
- b. Neosho and Verdigris RAC Meetings: Date TBD (Doodle Poll will be sent out). Meetings may be in late June.
- c. Meeting was adjourned and a tour of the John Redmond Dredging Project followed.



# Neosho Regional Advisory Committee Meeting Notes

## Neosho Regional Advisory Committee Meeting

10:00 am, Friday, January 15, 2016  
Pittsburg Area Chamber of Commerce  
117 W 4<sup>th</sup> Street  
Pittsburg, KS

### Members in Attendance:

Name	City	Category	Term	Present
Angela Anderson (Chair)	Allen, KS	WRAPs	2019	Yes
Joe Buchanan	Council Grove, KS	Public Water Supply (cc)	2017	No
Jay Byers	Pittsburg, KS	At Large Public (cc)	2017	Yes
Phillip Cooper	Emporia, KS	Water Assurance District	2019	No
Wes Fleming	Burlington, KS	Industry/Commerce (cc)	2019	No
John Hough	Cherokee, KS	Industry/Commerce	2017	Yes
Gary Kilgore	Chanute, KS	Agriculture (cc)	2019	No
Brian Obermeyer	Cottonwood Falls, KS	Conservation/Environment	2019	No
Larry Paine	Hillsboro, KS	At Large Public	2019	Yes
Galen (Pete) Peterson	Burdick, KS	Ranching/Grazing	2019	No
Nik Roth	Emporia, KS	Agriculture Industry	2017	No
Pat Sauble	Cedar Point, KS	Agriculture	2017	Yes
James Triplett	Pittsburg, KS	Conservation/Environment (cc)	2017	Yes

### Others in attendance:

Name	Agency
Katie Tietsort	KDA/DWR
Terry Medley	KDA/DWR
Tonya Richards	Marion County
Daniel Holub	Marion County
James Whitney	Pittsburg State University
Carl Hayes	Spring River WRAPS
Trevor Flynn	KDHE
Tom Stiles	KDHE
Andy Lyons	KDHE
Larry Fischer	Council Grove Lake Assoc.
Nathan Westrup	KWO
Bobbi Lutjohann	KWO

- Welcome and Introductions:** The meeting was called to order at 10:00 a.m. by Chairperson, Angela Anderson. All present provided self-introductions. Angela thanked Jay Byers for setting up the meeting location.
- Review of the December Meeting Notes:** The minutes from the December meeting were discussed. There were no corrections or additions.

**Membership:** Angela Anderson, Chair, Allen, KS; Joe Buchanan, Council Grove, KS; Jay Byers, Pittsburg, KS; Phillip Cooper, Emporia, KS; Wes Fleming, Burlington, KS; John Hough, Cherokee, KS; Gary Kilgore, Chanute, KS; Brian Obermeyer, Cottonwood Falls, KS; Larry Paine, Hillsboro, KS; Galen (Pete) Peterson, Burdick, KS; Nik Roth, Emporia, KS; Pat Sauble, Cedar Point, KS; James Triplett, Pittsburg, KS  
**KWO Planner:** Bobbi Lutjohann, 785-296-3185; [bobbi.luttjohann@kwo.ks.gov](mailto:bobbi.luttjohann@kwo.ks.gov)

### 3. Priority Goal:

The RAC discussed the Neosho Regional Goals (found here [http://www.kwo.org/RACs/GOALS\\_RAC\\_August2015.pdf](http://www.kwo.org/RACs/GOALS_RAC_August2015.pdf)) that had been set previously by the Regional Goal Leadership Teams. As part of the discussion and review of the goals implementation strategies were developed.

1. Engage the Neosho Region WRAPS groups and create awareness of RAC goals and actions. Hold a meeting in February to discuss 9 Element Plans and begin a dialogue with Conservation Districts, Counties, KDHE, USACE, KSU, KFS, Municipalities, Extension Agents, KACEE, and FEMA.
2. KWO was directed to provide a Region wide accounting visual of water supply and demand.
3. KWO was directed to look at adaptable lake levels and to create scenarios to adjust plans to increase water supply storage availability and to work with the USACE to update and/or look at deviations to the Drought Contingency Plan.
4. KWO was directed to run model scenarios to show demand and water supply storage, and site reservoirs below John Redmond to show supply and demand changes, incorporating a pool rise at Marion and Council Grove as well as other applicable scenarios.
5. KWO was directed to provide a flow chart diagram of how constructing a reservoir is accomplished, as well as current mitigation guidelines.
6. KWO was directed to look at the cost benefit ratio of sedimentation reduction through BMPs, streambank stabilization, etc. to increase water supply storage.
7. KWO was directed to begin work the USACE to determine the possibility of initiating a reallocation (PAS) study to look at purchasing storage and/or reallocating storage for Marion and Council Grove reservoirs.
8. KWO was directed to create a model run to show effects on hydrology and sedimentation flow due to the impacts of watershed dams currently built and those designated to be built based as per watershed district plans.
9. KDHE was directed to obtain a history of algal blooms of Marion, including nutrient models for the basin.
10. KWO was directed to create a framework for assessing impacts.

**4. Poultry Litter Report from OK: Jim Triplett (Conservation/Environment):** discussed the report that was sent out by State of OK in reference to poultry litter and gave a brief history of the poultry litter issue. Jim noted the work that Kansas has begun with the WRAPS programs, KDHE, KSU, KDA, and landowners to store and apply litter and monitor application within the southeast portion of the State. He also noted that we do not currently have the ability to track how much poultry litter is entering the state.

### 5. Questions and Future Issues from Members or other Agencies:

Andy Lyon (KDHE): Provided information about the WRAPS 9 Elements Plans, etc. as discussed previously at the December meeting.

Kansas Department of Agriculture: Katie Tietsort (DWR-KDA) and Terry Medley (DWR-KDA): gave an update on the regulation changes proposed by KDA that had been presented at the previous meeting in reference to over-pumping, meter sealing, and water use reporting.

Jim Triplett (Conservation/Environment) reported on modules and the GLWAF survey. Jim noted it is now completed but not yet released.

Jay Byer: reported the AP reporter had contacted him in reference to Cherryvale's water supply.

Pat Sauble (Agriculture): mentioned that the mill in Cedar Point is being rebuilt.

Larry Fischer (Public): stated we need to figure out what to do when supply and demand lines cross.

### 6. Future Meetings:

- a. Kansas Water Authority: January 27<sup>th</sup> and 28<sup>th</sup> in Topeka, KS
- b. Blue Ribbon Task Force Meeting: January 29<sup>th</sup> in Topeka
- c. Vision Education and Outreach Coordination Team Meeting: March 10<sup>th</sup> in Manhattan, KS
- d. Neosho RAC: A possible joint RAC meeting late April, 2016 near John Redmond Reservoir. A possible tour of the dredging area, CDFs, and a streambank site may be possible.