

# KIPDA Regional Water Management Council Meeting Agenda

**April 10, 2013  
1:30 p.m.**

- | Activity                     | Action                   |
|------------------------------|--------------------------|
| 1. Call to Order             | Jimmy Simpson – Chairman |
| 2. Council Member Roll Call  | KIPDA                    |
| 3. Minutes                   |                          |
| A. January 9, 2013           | Approval                 |
| 4. KIA Report                | KIA                      |
| 5. Water Coordinators Report | Jarrett Haley – KIPDA    |
| A. New Projects              | Discussion/Approval      |

County	Applicant	WRIS	Project Title	Estimated Cost
Henry	Lagrange Utilities Commission	SX21103016	Pendleton Road, Exit 28 Sewer Expansion	\$2,685,000

- |                            |   |
|----------------------------|---|
| 6. Sustainable Aquaculture | Steven D. Mims, Ph.D./<br>Kentucky State University |
| 7. Wastewater Planning     | Discussion  |
| 8. Stormwater Planning     | Discussion  |
| 9. Public Comment Period   | Discussion  |
| 10. Adjournment            |   |

# MINUTES

## KIPDA REGIONAL WATER MANAGEMENT COUNCIL

**KIPDA Burke Room  
11520 Commonwealth Drive  
Louisville, KY 40299**

**January 9, 2013**

The KIPDA Regional Water Management Council met at 1:30 p.m. on January 9, 2013, at KIPDA, 11520 Commonwealth Drive, Louisville, Kentucky. Members in attendance were:

Ed Basquill, Oldham Co. Environmental Authority, Oldham County  
Mark Bates, City of Milton, Trimble County  
John Bennett, LaGrange Utilities Commission, Oldham County  
Honorable John Logan Brent, Henry County Judge/Executive, Henry County  
Steve Eden, West Shelby Water District, Shelby County  
Bill Eggen, U.S. 60 Water District, Shelby County  
James Grunow, Louisville Water Company, Bullitt County  
Rudy Hawkins, Bullitt County Code Enforcement Director, Bullitt County  
Pete Hedges, North Shelby Water Company, Shelby County  
Honorable Jerry Powell, Trimble County Judge Executive, Trimble County  
Jimmy Simpson, Henry Co. Water District #2, Henry County  
William Smith, City of Eminence, Henry County  
Russ Rose, Oldham County Water District, Oldham County

### **OTHERS IN ATTENDANCE**

Jamie Sharp  
Jarrett Haley  
Zach Herzog  
Chris Keil  
Rusty Anderson  
Beth Stuber  
Chris Jones  
David Jenkins  
Tony Hanover  
Clay Kelly

### **REPRESENTING**

KIPDA  
KIPDA  
KIPDA  
Strand & Associates  
KIA  
Oldham County Fiscal Court  
West Shelby Water District  
Ross, Sinclaire, & Associates  
HMB Engineers  
Strand Associates

### **CALL TO ORDER**

Jimmy Simpson called the meeting to order at 1:30 pm.

### **COUNCIL MEMBER ROLL CALL**

Jamie Sharp called roll and stated there was quorum.

## APPROVAL OF MINUTES – October 17, 2012

Jim Grunow made a motion to approve the minutes from the October 17<sup>th</sup> meeting. Bill Eggen seconded the motion, and it carried with a unanimous voice vote.

## KIA REPORT

Rusty Anderson from KIA stated that the SRF call for projects closed on December 15<sup>th</sup>, right now applicants' projects will be reviewed, if you haven't already, you may be contacted to follow up on the project by division of water. If you do get a call from them, please work with them to make any necessary changes so division of water can get the projects ranked. Currently they are compiling project rankings with other information to put a report together for the legislators on systems and project rankings etc. They are hoping to have that done by the end of January. Copies will be made available to the ADDs and the Councils to be reviewed.

## WATER COORDINATORS REPORT

### A. New Projects

The following new projects were submitted for Council approval:

#### Water Projects:

##### **Trimble County:**

1. **Meter Replacement Project.** The City intends to replace all 1,200 meters in their water system, starting with the oldest and working their way through the entire system. The new meters will include radio-read capability that allows drive-by reading. The City intends to purchase the wired version that facilitates better placement of the signal-sending device. Prices per meter as of late 2012 are \$220 for the meter only. The City would also purchase the appropriate software, computer equipment and install a Test Bench, which the City currently does not have. Based on conservative estimates, the meter will pay for themselves in less than 5 years. The brand the City intends to purchase are guaranteed for 25 years. The City intends to provide the labor to remove the old meters, replace them with new meters, and perform any needed improvements to the meter box or repair any deficiencies identified in adjacent infrastructure. Total project cost is anticipated to be \$400,000, including administration meters, hardware, software, installation, needed improvements, a test bench and a 7.2% contingency. No engineering design is required. Project is ready to bid once funding is attained. **The estimated project cost is \$400,000.**

James Grunow made a motion to accept the project. Rudy Hawkins seconded the motion and it carried with a unanimous voice vote.

##### **Bullitt County:**

1. **Big Valley Wastewater System Rehabilitation Project.** The proposed project will repair and upgrade the existing facilities at the Big Valley collection system and lagoon treatment facility. The rehabilitation activities are to be conducted by the District conditioned upon prior approval by the Bullitt County Fiscal Court and after the District is designated the receiver of the system based on

action of the Kentucky Public Service Commission and the Franklin Circuit Court. Action is required to eliminate an immediate jeopardy to human health and curtail documented environmental degradation. **The estimated project cost is \$89,225.**

Judge Rothenburger made a motion to defer the project until a representative can speak on the project. James Grunow seconded the motion and it carried with a unanimous voice vote.

### **Oldham County:**

- 1. Crestwood/pewee Valley Wastewater Phase II.** Sewers to eliminate orchard grass and Willow creek wastewater treatment plants. This project will provide sewer sanitary system collection to the Pewee Valley area in Oldham County. **The estimated project cost is \$6,285,960.**
- 2. Covered Bridge Lift Station Wetwell Improvement** The lift station called the Covered Bridge lift station is undersized requiring the pumps to cycle on and off in less than one minute intervals. This project will construct a second wetwell and attach it to the existing wetwell to increase the capacity. **The estimated project cost is \$150,000.**
- 3. Ohio River WWTP Headworks Rehab & Carbon Replacement.** This project will rehabilitate the headworks at the Ohio River WWTP and replace the carbon feed system. **The estimated project cost is \$150,000**

Russ Rose made a motion to accept the new water projects. William Smith seconded the motion and it carried with a unanimous voice vote.

### **B. Election of New Officers**

Jimmy Simpson was nominated for Chairman of the Water Council by Russ Rose. Judge Brent seconded the motion and it carried with a unanimous voice vote. Judge Voegele was nominated for Vice-Chairman with Russ Ross serving as proxy when Judge Voegele is unable to attend. Ed Basquill seconded the motion and it carried with a unanimous voice vote.

### **C. Treatment & Distribution Techniques to Address DBP – Chris Keil**

Mr. Chris Keil from Strand & Associates presented to the Council information on the treatment and distribution techniques to address DBP. Mr. Keil started the presentation with a background on his organization and completed projects. Mr. Keil's presentation covered what are Disinfection Byproducts, why are addressing DBPs important Now, how can a utility address them, and who can assist utilities.

Byproducts of disinfection occur when naturally-occurring organic and inorganic materials in the water react with the disinfectants, chorine, and chloramine. Drinking water containing DBPs in excess of the MCL over many years could cause liver, kidney, or central nervous system problems and increased risk of cancer. HAA and TTHMs are regulated DBPs along with bromate and chlorite.

Factors that affect DBP formation are type, dose, and residual concentration of disinfectant; contact time and mixing conditions between disinfectant and precursors; concentration of precursors; water temperature; and water chemistry (pH). DBPs are a challenge because the competing interests must be balanced. Drinking water must be disinfected to protect against disease causing organisms. Disinfectant use creates DBPs. Water pressure must be maintained, this can be achieved with full tanks and robust pipe capacity. Excessive water age also promotes growth of some DBPs.

Why is addressing DBPs important? Regulation changes from Stage 1 to Stage 2. The limits have not changed. The regulatory timetable has already started. Utilities have submitted IDSE monitoring plans,

conducted IDSE monitoring, and submitted reports. The next step is compliance monitoring. Compliance monitoring includes submission of a compliance monitoring plan that identifies monitoring locations, monitoring dates, and compliance calculations procedures. The plan may have been completed in previous steps. If conditions are met reduced monitoring is available. An operational evaluation report is required if system is in danger of exceeding average limit.

What can utilities do? Utilities can address three areas the source water, treatment and the distribution. Options for the source water are changing the source and changing level of intake. Treatment options USEPA's Simultaneous Compliance Manual, chemicals, change disinfectants, and membranes. Other options for treatment include pre-sedimentation, enhanced coagulation and enhanced softening. Distribution can be addressed by reducing disinfectant demand. This can be done by replacing pipes, cleaning pipes, line pipes, flushing pipes, converting to chloramination, booster disinfectant, and seek alternate supplier or lab. Water age management can be addressed by looping dead end pipes, asset management of valves, water main, tanks: aeration, mixing and turnover, eliminating excess storage and tanks in series.

Engineering services can help water utilities with comprehensive planning, detailed design and regulatory assistance.

## **WASTEWATER PLANNING**

There was no discussion on stormwater planning.

## **STORMWATER PLANNING**

There was no discussion on stormwater planning.

## **PUBLIC COMMENTS**

The next meeting will be held on April 10, 2013.

## **ADJOURNMENT**

With there being no further business, Jimmy Simpson made a motion to adjourn the meeting. Russ Rose seconded the motion and it carried with a unanimous voice vote.