

KIPDA Regional Water Management Council Meeting Agenda

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

- | Activity | Action |
|--------------------------------|-------------------------------|
| 1. Call to Order | Jimmy Simpson – Chairman |
| 2. Council Member Roll Call | KIPDA |
| 3. Minutes | |
| A. April 10, 2013 | Approval |
| 4. KIA Report | KIA |
| 5. Guest Speaker: House Bill 1 | Tom Bennett and Nathan Cryder |
| 5. Water Coordinators Report | David Abell – KIPDA |
| A. New Projects | Discussion/Approval |

County	Applicant	WRIS	Project Title	Estimated Cost
Bullitt	City of Lebanon Junction	SX21029032	Truck Stop Lift Station Replacement	\$200,000

- | | |
|--------------------------|------------|
| 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**

April 10, 2013

The KIPDA Regional Water Management Council met at 1:30 p.m. on April 10, 2013, at KIPDA, 11520 Commonwealth Drive, Louisville, Kentucky. Members in attendance were:

Kevin Gipson for Ed Basquill, Oldham Co. Environmental Authority, Oldham County
John Bennett, LaGrange Utilities Commission, Oldham County
Steve Eden, West Shelby Water District, Shelby County
James Grunow, Louisville Water Company, Bullitt County
Jimmy Simpson, Henry Co. Water District #2, Henry County
Russ Rose, Oldham County Water District, Oldham County
Honorable David Voegele, Judge Executive Oldham County

OTHERS IN ATTENDANCE

Kevin Gibson
Keith Coombs
Chris Jones
Tony Harover
David Jenkins
D. Clay Kelly
Rob Campbell
Cedric Irvin
Jennifer Martinez
Debbie Brown
David Abell
Jarrett Haley

REPRESENTING

Oldham County Environmental Authority
Louisville Water Company
Kenvirons, Inc., West Shelby Water District
HMB
RSA
Strand Associates
QK4
KIPDA
KIPDA
KIPDA
KIPDA
KIPDA

CALL TO ORDER

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

COUNCIL MEMBER ROLL CALL

Debbie Brown called roll and stated there was a quorum.

APPROVAL OF MINUTES – January 9, 2013

Few corrections, Jarrett Haley stated that Tony's last name was mis-spelled should be Harover not Hanover, and Russ Rose's name has been mis-spelled twice as Russ Ross. Russ Rose made a motion to approve the minutes from the January 9th meeting. John Bennett seconded the motion, and it carried with a unanimous voice vote.

KIA REPORT

Jarrett Haley reported there will be not be a KIA report at this meeting, but there will be one at the next meeting. Jarrett Haley thought John Covington would be in attendance to talk about the SRF; the SRF/IUP was released last week, everyone should have received a copy. The scores of projects from last year were also released. If the project scored highly on the project priority list, the applicant will be notified of their status on the list and be invited to submit a complete loan application package with 45 days to meet the application deadline.

WATER COORDINATORS REPORT

A. New Projects

The following new project was submitted for Council approval:

Wastewater Project:

Henry County

- 1. LaGrange – Pendleton Road, Exit 28 Sewer Expansion:** Lagrange Utilities Commission in conjunction with Henry County are seeking to expand sanitary sewer service from Lagrange to Exit 28 on I-71. This project will facilitate regionalization, eliminate failing on site sewer systems, and promote economic growth in Henry County. Additionally this improvement will provide a potential for eliminating on site treatment for a trailer park along the project corridor. **The estimated project cost is \$2,685,000.**

Russ Rose made a motion to accept the project. Steve Eden seconded the motion and it carried with a unanimous voice vote.

B. Other Business

Mr. Haley introduced Cedric Irvin as the new Public Administration Specialist in their division.

SUSTAINABLE AQUACULTURE

Mr. Steven Mims is a professor at Kentucky State University in Frankfort and has been teaching for 29 years. He received a Bachelor's degree in biology and furthered with a Masters and Ph.D. at Auburn University.

Mr. Mims will explain what they do and what programs are offered by projection:

Mr. Mims first showed an Ariel view of the Kentucky State University, which is about two miles from the capitol. It is a small State pumping University, in the State, with about 2,500 students.

He then showed a view of the Agriculture Research Center that was built in 1983. They are the only aquaculture facility currently in the State of Kentucky doing research for fish farming type research. Area view of a 24 1/10th acre pond, these ponds were designed by HMB in 1982 and are mud bottom ponds with retaining walls to keep erosion from occurring. Next shown is a 9 1/20th of an acre pond in the hatchery, and the newest building is a classroom called distavarning which can currently do satellite teaching where they can broadcast classes throughout the world. There are several labs in that building such as a nutrition building, shrimp and greenhouse.

They are a Land Grant university. Land Grant has three components: Education, Research, and Extension. This is a full service type operation with over twenty staff members.

They also have a graduate program that started in 1999 that has ten graduate students in the process and three extension specialists that are stationed in Princeton, Paducah and Frankfort. The Undergraduate program just started this past fall, that is a disease diagnostic lab for diseased fish that you can send to their lab, and they will give a suggested treatment at no charge.

Four different areas: Aquaculture, Biomel, Agriculture, and Food Systems which also provides internship programs and work study with some summer employment. They also teach internet courses, five broadcasts are currently worked on worldwide throughout the United States and taught in thirty eight different states. Also to, we are reaching out globally with Aquaculture type classes.

Research areas are largemouth bass used as a food fish, their place is to develop food fish, not to stock ponds. Asian communities are willing to pay premium dollar for live fish. Recently New York has opened up their state lines to allow largemouth bass to go across the state line to be sold in New York City as a food fish, mainly to the Asian population. There are a couple producers, and over 100,000 pounds produced here in the State of Kentucky because of that reason.

Recently the Center began working on Aqua ponds; Aqua ponds are a combination of growing plants and fish at the same time, using waste from the fish to help supplement the nutrients that are needed for the plants.

The Center is now working with Australian Red Claw crawfish for nutrition, this is a tropical fish that can grow in the summer to about the size of a lobster, and this is what higher end restaurants want. Striped bass is being grown as a food fish. Koi Carp fish is being tested genetically for certain color patterns to breed. Paddlefish is being developed which is native to the United States and can be used year round for a filter feeder that filters water, these fish are being worked on mainly for production and re-production. Also to, these fish generate five to ten pounds per year of growth and they are a boneless product which is very important to restaurants because they produce black row, which are fish eggs and is used for caviar, that generates about

eight pounds of row by the time it is processed and the value is \$150.00 wholesale and up to \$500.00 retail, meaning one female fish can go for over \$1,000.00.

The Center is trying to do novel science ideas to make Aquaculture more sustainable, the catfish industry and other large industries are feeding high protein diets, which produce water quality that has high levels of waste or ammonia that is released in the environment that is not acceptable.

A new project started in 2006 that grew over 20,000 paddlefish in one of the digester tanks, and since then they have been able to get some grants and other facilities doing work.

Another project being worked on is Reservoir Ranching, which is stocking about twenty to thirty fish allowing them to cruise around the lake feeding on Zoë plants, with no feed cost associated. In Aquaculture the highest variable cost in raising fish is the feed cost, usually about 50% of the operating cost. If you can eliminate that from your model and not have to feed your fish, then profits become higher for the farmers. This is one way, they feel they can do it is by using reservoirs.

The whole idea is to generate revenue and create some jobs to develop food fish. This summer they have an investing company that will start raising Tilapia in Manchester and London. Manchester has natural gas wells that can be tapped into; the gas they can pull out can be used without a charge. Tilapia is a tropical animal that has to have heat to survive, in the summer time they can be grown up to market size, so if we can develop a facility at one of these wastewater treatment plants, where they can heat during the winter time and grow the fish up to about ¾ of a pound fish, then stock them out in the summertime and continue to grow them out to 1-2 pounds, then we can grow Tilapia here in Kentucky.

South Dakota, Missouri and Colorado are growing these tropical animals, they are using old turkey barns and burning wood in big outdoor wood furnaces and heating the water, this method allows them to grow tropical fish in cold weather climates.

If anyone has any facilities that are out there being re-conditioned in the next few years they would like to know.

Questions:

What about bio-accumulation of lead?

We have been monitoring since 2006 and have not seen any metal, but we do continue to monitor micro pollutants.

How do fish get harvest that is in lakes?

We use gill nets.

What Kentucky lakes are being used?

Currently Lynnville, Wood Creek, Greenbrier, Mt Sterling, Russellville, and Madisonville which are all water supplied lakes. A couple of water supply lakes have reported to us, since the paddlefish have been in their lakes they have not had to use copper sulfate any longer, because of blue/green algae, we do not think the paddlefish digest the blue/green algae.

WASTEWATER PLANNING

Jarrett Haley stated no issues, other than a big drop off with participation. The question was asked to the members what they would like out of the council going forward. Mr. Simpson commented the procedure is good in order to keep up with the way this is going on in Frankfort. Comment was made that education is good. Mr. Haley suggested different counties to report what is going on in their county.

STORMWATER PLANNING

No discussion.

PUBLIC COMMENT

The question was asked if someone can come in and talk about the House Bill One, how it will affect us all in the coming year?

Jarrett Haley introduced David Abell as the new Water Coordinator.

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.