Bluegrass Area Water Management (409) Council
Friday, 9:30 AM, July 15, 2016
Bluegrass ADD Conference Room
699 Perimeter Drive
Lexington, Kentucky

I. Call to order of the Council - Judge Adams

II. Roll taking by sign-in sheet (with self-introductions to follow) - Judge Adams

III. Consideration of the minutes for the April 15, 2016 meeting - Judge Adams

IV. Report(s) from Council members pertaining to local water and/or wastewater planning; current and planned projects - Karyn Leverenz

V. Working with your local Health Department - Tony White and Mike Sanford

VI. Old Business
   a. Project Profile Update Reminders - Karyn Leverenz

VII. New Business
   a. Consideration of New and Amended Profiles - Karyn Leverenz
   b. 2017 SRF CW and DW Intended Use Plans - Karyn Leverenz

VIII. Other / Questions / Comments / Further Discussion - Karyn Leverenz

IX. Adjournment at approximately 11:30 AM - Judge Adams
Call to Order:

Chairman Judge Jim Adams announced that a quorum was present. He called the meeting of the Bluegrass Area Water Management Council to order on Friday, July 15, 2016 at 9:35AM in the Bluegrass Area Development District conference room. The Council took turns introducing themselves. The following 31 persons representing 11 of 17 counties were present:

Those members (or proxies) present were:

Anderson County
Monty Rhody – City of Lawrenceburg

Bourbon County
None

Boyle County
None

Clark County
Mike Flynn – Winchester Utilities

Estill County
None

Fayette County
Charlie Martin – LFUCG – Division of Air and Water Quality

Franklin County
Robert Hewitt – Franklin County
Bob Peterson – City of Frankfort
David Billings - Frankfort Plant Board
Allan Alsip – Farmdale Sanitation District

Garrard County
None

Harrison County
None

Jessamine County
Bob Amato – City of Nicholasville
John Horne – rep. Jessamine South Elkhorn WD

Lincoln County
Jim Adams – Lincoln County
Bill Payne – Lincoln County Sanitation District

Madison County
Ed Fortner – Berea Municipal Utilities

Mercer County
Mike Sanford – Lake Village Water Assoc. & rep. Mercer Co. Sanitation District
Tony White – Mercer County Health Department

Nicholas County
None

Powell County
None

Scott County
Claude Christensen – Scott County
Robert Wilhite – City of Georgetown

Woodford County
Mitzi Delius – City of Versailles
John S. Davis – Northeast Woodford Co. Water District

Others Present were:

Alan Bowman – Bell Engineering
Jim Calhoun – Division of Water
Michael Davis – Strand Associates
Lori Dials – Division of Water
Sharmista Dutta - Frankfort Plant Board
Cassie Felty - LFUCG
Tara Hackney – MSE
Phil Meador – Kenvirons
Amanda Mikuski – Hazen and Sawyer
Laura Norris – Division of Water
Kerry Odle – HMB Engineers
Scott Southall – CDP Engineers
John Steinmetz – Banks Engineering
Karyn Leverenz - Bluegrass ADD

A copy of the Attendance List can be found in Attachment A.
Members Not Represented:

**Anderson County**
- County of Anderson
- Anderson County Health Department
- South Anderson Water District

**Bourbon County**
- County of Bourbon
- City of Millersburg
- City of North Middletown
- City of Paris
- Bourbon County Health Dept

**Boyle County**
- County of Boyle
- City of Danville
- Parksville Water District
- Boyle County Health Dept

**Clark County**
- County of Clark
- Clark County Health Department
- East Clark Co. Water District

**Estill County**
- County of Estill
- Irvine Municipal Utilities
- Estill County Water District No. 1
- Estill Co. Health Department

**Fayette County**
- LFUCG – Judge/Executive’s Office

**Franklin County**
- Elkhorn Water District
- Franklin County Health Department
- Peaks Mill Water District
- US 60 Water District
- Farmdale Water District

**Garrard County**
- County of Garrard
- City of Lancaster
- Garrard County Health Department
- Garrard County Water Association

**Harrison County**
- County of Harrison
- City of Cynthiana
- City of Berry
- Harrison County Health Department
- Harrison Co. Water Association

**Jessamine County**
- County of Jessamine
- City of Wilmore
- Jessamine County Water District No. 1
- Jessamine County Health Department

**Lincoln County**
- City of Stanford
- City of Crab Orchard
- City of Eubank
- McKinney Water District
- Southern Madison Water District
- Lincoln County Health Department

**Madison County**
- County of Madison
- City of Richmond
- Madison Co. Health Department
- Richmond Utilities
- Madison County Utilities District
- Kirksville Water Association
- Northern Madison Sanitation District
- Northern Madison Water Association

**Mercer County**
- County of Mercer
- City of Harrodsburg
- City of Burgin
- North Mercer Water District

**Nicholas County**
- County of Nicholas
- City of Carlisle
- Nicholas County Sanitation District #2
- Nicholas County Health Department
- Nicholas County Water District

**Powell County**
- County of Powell
- City of Stanton
- City of Clay City
- Beech Fork Water Commission
- Powells Valley Water District
- Powell County Health Department
- Red River Wastewater Authority

**Scott County**
- Scott Co. Health Dept.

**Woodford County**
- County of Woodford
- South Woodford Water District
- Woodford County Health Department
Consideration of the Minutes of the April 15, 2016 Council Meeting

Upon a motion made by Mr. Ed Fortner with Berea Municipal Utilities seconded by Mr. Charlie Martin with LFUCG and unanimous vote, the April 15, 2016 minutes were approved.

These minutes may be found under Attachment B.

Reports from Council Members

- Charlie Martin reported on the status of Lexington’s Wet Weather Storage Facilities. The City is currently in the process of constructing three different wet weather storage tanks. The Town Branch tank will hold 22 million gallons and cost approximately $21 million dollars. The Wolf Run Tank will hold 1.8 million gallons and cost approximately $6 million. Lastly, the first phase of the West Hickman Tank will also hold 22 million gallons and also include improvements to the WWTP head works. The West Hickman Phase is expected to cost approximately $61.3 million dollars.
- Bill Payne reported that the $6.4 million dollar Lincoln Co. Santiation District Phase 1 project had begun construction and that things were going well. The first phase of the project will bring first time sanitary sewer service to the City of Hustonville, along the 127 corridor to Junction City.
- Ed Fortner updated the Council on the City of Berea’s Owsley Fork Reservoir project. The City is continuing to work on their environmental in order to comply with Army Corp of Engineers’ demands and should be done by the end of August and reviewed by the Corp by the end of the year. The City has also reached out to their senators and representatives for additional support of the project. Congressman Andy Barr stepped up and sent a letter of support to the Corp. The City is also submitting a new project that includes improvements to the Walnut Meadow Pump Station and Force main.

GUEST PRESENTATIONS

The Council welcomed guest speakers, Mr. Mike Sanford with Mercer County Sanitation District and Mr. Tony White with the Mercer County Health Department. They presented on the history and successful relationship between the Mercer County Health Department and the Mercer County Sanitation District. The District was created in 2005 because of the increasing number of locations throughout Mercer County suffering from failing on-site sewer systems.

Mr. Sanford and Mr. White presented the Bright Leaf Area project. This initial project provided safe and reliable sanitary sewer service to several business, two subdivisions and a mobile home park. The project also eliminated 4 failing package treatment plants. They had several pictures of the existing facilities showing their state of disrepair. Mr. White spoke briefly on how the installation of sewer facilities is difficult in the area and throughout the region because of all the rock, shallow soils and threat of sinkholes.

They then presented on their current projects that will bring first time sanitary sewer service to the City of Burgin. Burgin is one of two cities in the Bluegrass ADD region that do not currently have publicly provided sanitary sewer service. (The other City is Hustonville in Lincoln County but it is also about to receive first time service.) This project will serve approximately 500 households and eliminate over 500 septic systems. Pictures of the area show the small lot sizes and the poor ground conditions that have resulted in high levels of E. Coli appearing in Burgin Spring and Cane Run Creek.

The District is also working on a project located on Herrington Lake. The Kennedy Bridge project will serve a mobile home park as well as the densely populated areas surrounding the lake. Currently, sewage often surfaces throughout this community and has been seen to run directly over the cliffs into Herrington Lake. Sewage that doesn’t run off settles into the ground where it eventually flows into the Lake through cracks and crevices of the very rocky shoreline terrain. The Health Department has had to take legal action several times as a result of ongoing septic system issues. Given that Herrington Lake is a primary water source for several nearby locations it is crucial that these issues be mitigated.

Ultimately, the Mercer County Sanitation District has been very fortunate that it hasn’t faced much opposition to the installation of sanitary sewer. Several public meetings were held to inform citizens first about the creation of the district and then, as time went on, to inform them of upcoming projects. They’ve also been able to contract with both the City of Harrodsburg and the City of Danville for treatment. In conclusion, Mr. Sanford and Mr. White emphasized the importance of working together and utilizing resources like the BGADD and the locally elected officials to have success.

Mr. Sanford and Mr. White’s presentation may be found in Attachment C.
OLD BUSINESS

- Ms. Leverenz spoke briefly on project profile updates. She reminded those present that the 2018 SRF process was just around the corner so start looking at your projects now. Dates for the planning unit meetings have not been set but Ms. Leverenz would be looking at the calendar and sending out those dates with Outlook reminders as soon as possible so that everyone has time to plan accordingly.

She also asked that those submitting project profile updates please do not submit updates on the pre-application forms. Even though the pre-application has a box to check if it is a profile revision it’s very unclear to discern what the updates are when it’s in that format. Please submit profile updates by printing out/saving the current profile and clearly noting what the changes are: replace narrative with new narrative/ add additional language to the end of narrative/ leave this box unchecked/ etc. Please also make sure profiles are complete – if an item in the profile requests explanatory comments please provide said comments and don’t just leave it blank.

NEW BUSINESS

- **Consideration of Amended and New Project Profiles** – There were 1 new and 5 amended profiles received by Monday, July 11, 2016 and 1 new profile received on Thursday, July 14, 2016 for the full Council to approve. A motion was made to approve the changes to the 5 amended profiles by Ed Fortner with Berea Municipal Utilities and was seconded by David Billings with Frankfort Plant Board. The motion passed unanimously. Ed Fortner did ask one question about the Harrodsburg – Corning Industrial Pump Station and Force Main System. He wanted to know if Corning had contributed any funds towards the project. He also asked how any questions about projects were addressed aside from in the minutes. Ms. Leverenz responded that as of right now the minutes were the only place questions are addressed. The project profile was then brought up so all could see what the funding sources were. The project is being funded solely through a KIA loan.

  A second motion was made by Charlie Martin with LFUCG to approve the first new project profile received and was seconded by Mike Flynn with Winchester Municipal Utilities. The motion passed unanimously. Someone asked what ‘flood resistant’ meant in terms of the booster pump station but no one knew the answer off hand. A brief Google search resulted in what appeared to be a raised pump station but Ms. Leverenz has emailed the engineer for clarification. **UPDATE:** The engineer clarified that currently the pump station as at the river edge and floods during a moderate or high water event. The new pump station will be constructed above the flood stage making it more ‘flood resistant’.

  The last motion was made to approve the second new project profile received on July 14, 2016 by Charlie Martin and seconded by David Billings. It was approved unanimously. Charlie Martin asked Ed Fortner about their solar panels and if a backup generator was required. He also suggested that Mr. Fortner present on using solar energy at a Council meeting some time.

  A copy of the new and amended profiles maybe found in Attachment D.

- Ms. Leverenz asked if everyone had seen the 2017 Intended Use Plan and reminded those present that the first round of invitations to apply had been sent out. She emphasized the need to pay attention to deadlines and make sure that those who get invited to apply remember to respond to the email by clicking accept or decline. There is a deadline for accepting or declining the initiations to apply.

Other/Questions/Comments/Further Discussion

Ms. Leverenz announced that some attendees were from the KY Division of Water and wished to briefly address the Council. Ms. Laura Norris and Mr. Jim Calhoun introduced themselves and spoke about SWAP Plans and the Wellhead Protection Program. Mr. Calhoun explained that the program does not have a match requirement, projects must have direct involvement with the source waters and that the cap amount is $50,000 for next year. The program will be open for project proposals on January 1 and then invitations to apply for funding will be sent. He also noted that any projects that could be funded through KIA funds would not be eligible for SWAP funds. Someone asked if funds could be used for land acquisition and Mr. Calhoun confirmed that they could. Ms. Norris pointed out that they brought some additional materials that covered source water protection for those interested in reading more. A link to the Wellhead Protection program can also be found below:

http://water.ky.gov/groundwater/Pages/WellheadProtection.aspx
Next, Ms. Lori Dials introduced herself as the environmental specialist. She has replaced Cindy McDonald as the wastewater planner.

Mr. Bill Payne with the Lincoln County Sanitation District made a motion to adjourn the meeting. The motion was seconded by Mr. Charlie Martin with LFUCG and the motion passed unanimously.

The next meeting will be Friday, October 21, 2016 at 9:30 a.m.

Respectfully Submitted,

Karyn Leverenz
Recording Secretary

Attachments:
A – Sign-In Sheet
B – 4.15.2016 Minutes (attachments for these minutes available upon request)
C – Speaker Presentation
D – 7.15.2016 New/Amended Profile List
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<thead>
<tr>
<th>Name</th>
<th>Representing</th>
<th>e-mail address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tony White</td>
<td>Mercer Co. Health Dept.</td>
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<tr>
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<tr>
<td>Laura Norris</td>
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<tr>
<td>Allen Alsip</td>
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<tr>
<td>Mike Sandford</td>
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<tr>
<td>Nitei Delius</td>
<td>City of Versailles</td>
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<td>Scott Southall</td>
<td>GDP</td>
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<tr>
<td>Lori Dials</td>
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<td>Dave Billings</td>
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<tr>
<td>Name</td>
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<tr>
<td>Jim Adams</td>
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<td>John S. Davis</td>
<td>Northeast Woodford Water Dist</td>
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<tr>
<td>Jim Calhoun</td>
<td>KY Dow</td>
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<td>Kelly Odle</td>
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<tr>
<td>Phil Meador</td>
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<td>Amanda Mikuski</td>
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<tr>
<td>Mary Rivet</td>
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<tr>
<td>Bob Amato</td>
<td>Nicholasville</td>
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<tr>
<td>John Horne</td>
<td>JSE WPD</td>
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<tr>
<td>Tare Hackney</td>
<td>MSE of Ky</td>
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Call to Order:

Karyn Leverenz with Bluegrass ADD informed the Council that Chair Judge Jim Adams would not be present the day’s meeting and that a quorum was present. She called the meeting of the Bluegrass Area Water Management Council to order on Friday, April 15, 2016 at 9:29AM in the Bluegrass Area Development District conference room. The Council took turns introducing themselves. The following 34 persons were present:

Those members (or proxies) present were:

Anderson County
Monty Rhody – City of Lawrenceburg

Bourbon County
None

Boyle County
Andy Tompkins – City of Danville

Clark County
Mike Flynn – Winchester Utilities
William Ballard – E. Clark Co. WD

Estill County
BEE Williams – City of Irvine

Fayette County
Charlie Martin – LFUCG – Division of Air and Water Quality

Franklin County
Robert Hewitt – Franklin County
Bob Peterson – City of Frankfort
Sharmista Dutta - Frankfort Plant Board
Allan Alsip – rep. Farmdale Sanitation District

Garrard County
None

Harrison County
None

Jessamine County
Bob Amato – City of Nicholasville

Lincoln County
Bill Payne – Lincoln County Sanitation District

Madison County
Ed Fortner – Berea Municipal Utilities

Mercer County
Mike Sanford – Lake Village Water Assoc. & rep. Mercer Co. Sanitation District
Tony White – Mercer County Health Department
Mischell Lee – North Mercer Water District

Nicholas County
None

Powell County
None

Scott County
Claude Christensen – Scott County
Robert Wilhite – City of Georgetown

Woodford County
Mitzi Delius – City of Versailles
John S. Davis – Northeast Woodford Co. Water District

Others Present were:

Ray Bascom – HMB Engineers
Alan Bowman – Bell Engineering
Cassie Felty - LFUCG
Tara Hackney – MSE
Tony Harover – HMB Engineers
Greg Isaacs – Palmer Engineering
Megan Kendall – Bell Engineering
Cindy McDonald – Division of Water
Phil Meador – Kenvirons
Amanda Mikuski – Hazen and Sawyer
Ann Northcutt – Franklin County
John Sacksteder – HMB Engineers
John Steinmetz – Banks Engineering
Chase Wright – Strand Associates
Karyn Leverenz - Bluegrass ADD
Chris Chaney – Bluegrass ADD
Samantha Osborne – Bluegrass ADD

A copy of the Attendance List can be found in Attachment A.
Members Not Represented:

**Anderson County**
County of Anderson
Anderson County Health Department
South Anderson Water District

**Bourbon County**
County of Bourbon
City of Millersburg
City of North Middletown
City of Paris
Bourbon County Health Dept

**Boyle County**
County of Boyle
Parksville Water District
Boyle County Health Dept

**Clark County**
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Estill County Water District No. 1
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**Fayette County**
LFUCG – Mayor’s Office

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Lincoln County Health Department

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City of Richmond
Madison Co. Health Department
Richmond Utilities
Madison County Utilities District
Kirksville Water Association
Northern Madison Sanitation District
Northern Madison Water Association

**Mercer County**
County of Mercer
City of Harrodsburg
City of Burgin

**Nicholas County**
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City of Carlisle
Nicholas County Sanitation District #2
Nicholas County Health Department
Nicholas County Water District

**Powell County**
County of Powell
City of Stanton
City of Clay City
Beech Fork Water Commission
Powells Valley Water District
Powell County Health Department
Red River Wastewater Authority

**Woodford County**
County of Woodford
South Woodford Water District
Woodford County Health Department
Consideration of the Minutes of the January 15, 2016 Council Meeting

Upon a motion made by Mr. Bob Peterson with Frankfort Sewer seconded by Mr. Ed Fortner with Berea Municipal Utilities and unanimous vote, the January 15, 2016 minutes were approved.

These minutes may be found under Attachment B.

Reports from Council Members

- Mike Sanford reported on the current Mercer County Sanitation District Project in Burgin. The project had its bid opening in March and construction is anticipated to begin in June with an estimated 13 months of construction. It initially came in over budget so it had to be rebid as separate contracts and additional funds have been applied for under the Rural Development program. The project will consist of new collection and conveyance to unsewered Burgin. Upon completion of the project, an estimated .100MGD/day will be sent to Danville WWTP for treatment.
- Bill Payne reported that the Lincoln County Sanitation District Junction City to Hustonville Project had begun construction and so far so good. This project will provide first time sewer service to over 400 customers and includes the City of Hustonville. Sewage treatment will be provided by the City of Danville.
- Ed Fortner with Berea Municipal Utilities gave an update on the Owsley Fork Reservoir project. Army Corp pre-declined your permit despite showing support for the project previously. One alternative for the project included purchasing water from Richmond Utilities. This was determined to be undesirable since it would result in water being pumped 5 different times and would be 10 days old when it finally arrived in Berea. The project has funding from NCRS and two non-coal grants. Planning and environmental work has been completed and the City is currently working with its legislators to acquire some political assistance on the project.

GUEST PRESENTATIONS

The Council welcomed guest speaker, Mr. John Sacksteder with HMB, Engineers. He presented on the Louisville-Southern Indiana Ohio River Bridges project. Mr. Sacksteder opened by explaining the scope of the project and the need for the project and its two main components: the Downtown Crossing – consisting of a new Abraham Lincoln Bridge and an improved Kennedy Bridge - and the East End Crossing. Together both bridges make up a single project that is also one of the largest transportation projects in America.

The Downtown Crossing will be at substantial completion in December 2016. Mr. Sacksteder presented one photo from the opening day at the Downtown Crossing where the public was invited to walk the bridge before it was opened to traffic. An estimated 40,000 to 50,000 people showed up to participate. The Lincoln Bridge opened to two-way traffic in December. Currently $22 million in improvements have been made to the Kennedy Bridge including a new floor system that will result in an additional 35+ years of useful life.

The East End Bridge will connect KY 841 in Kentucky to IN 265 and substantial completion is anticipated in late 2016. The presentation included several pictures of the construction process including those of a new 1,700 foot tunnel that was required in order to preserve the historic Drumanard Estate. Visitors to the project website can also view a live camera feed to see the construction process in action. The cameras have even helped catch a local graffiti artist who had been painting on buildings around the area.

The last portion of Mr. Sacksteder’s presentation covered tolling. Despite an economic impact of approximately $87 billion over the next 30 years, anticipated 15,000 new jobs and unifying the region there will have to be some tolling in order to finance the project. Not all the bridges will be tolled and other options will be available. The program, which will start in late 2016, is called River Link and will be all electric using cameras and sensors. Transponders allow tolls to be deducted from accounts and the cameras will capture license plates from motorists who do not have prepaid accounts such as those from out of state or those who do not live in the area. There will also be several service centers and outreach events to inform the public about their tolling options and make the implementation as smooth as possible.

Bob Amato with Nicholasville asked if the transponders would be available in Lexington. Mr. Sacksteder responded that once tolling has started they service centers will probably expand into some surrounding counties but he did not anticipate them making it all the way to Central Kentucky/Lexington area. Ed Fortner with Berea then asked about cost sharing and how the project costs were being split between Kentucky and Indiana. It was explained that Kentucky would be responsible for the construction costs of the Downtown Crossing and Indiana would be responsible for the East End. The toll funds would be funneled into a joint operational account overseen by the River Link tolling program and would be used to recoup the costs.
Mr. Sacksteder’s presentation may be found in Attachment C.

OLD BUSINESS

- Ms. Leverenz spoke briefly on system visits informing the Council that she was about half-way complete. She also announced that they were going pretty well and thanked those present that she had already met with for making the time to meet with her. She then told everyone else to keep an eye out for an email arranging a date to meet and thanked them in advance.

NEW BUSINESS

- Consideration of Amended and New Project Profiles – There were 3 new and 4 amended profiles for the full Council to approve. A motion was made to approve the changes to the 4 amended profiles by William Ballard with East Clark County Water and was seconded by Bill Payne with Lincoln County Sanitation District. The motion passed unanimously. A second motion was made by Robert Hewitt with Franklin County to approve the 3 new project profiles and was seconded by Bill Payne. The motion passed unanimously.

  A copy of the new and amended profiles maybe found in Attachment D.

- Ms. Leverenz then reminded those present that it was CDBG season so any projects that would be submitting a CDBG application to please make sure any profile updates were given to her prior to the July Water Management Council meeting to ensure that they could be submitted to clearinghouse in time to get comments back. She also asked that profile updates be made with reference to what was already entered into the WRIS and to not submit changes via the pre-application form. Either mark the changes directly to a copy of the profile or send an attached word document specifying the changes. Updates submitted in the pre-app format are difficult because it doesn’t specify where things should be checked or unchecked or if entire sections of a narrative should be replaced or simply added to. She thanked everyone for understanding.

Other/Questions/Comments/Further Discussion

Ms. Leverenz asked for any suggested speakers and Ed Fortner with Berea suggested the Army Corp of engineers. He also asked Mike Flynn with Winchester how they implemented system development fees for sewer improvements. Mr. Flynn responded that they are based on demand and capacity and then set aside to be used for total system upgrades. Charlie Martin with LFUCG also noted that Lexington has a similar program in place.

Robert Hewitt with Franklin County suggested to Karyn Leverenz that the Ratebook have an additional table showing additional fees, such as the system development fees, utilities are charging. Often times Franklin County Judge/Executive or Mayor of Frankfort will question why their rates seem so much higher than other utilities in the Ratebook but it’s because additional fees are not considered. It would be nice to see how and what other utilities are charging alongside their usage rates. Ms. Leverenz responded that it was a great suggestion and she would start working on how to incorporate that into this year’s Ratebook.

Monty Rhody with the City of Lawrenceburg asked for advice from the Council regarding mandatory hookups. Currently the Anderson County Health Department is telling residents out in the County that as long as they are within 1 mile of a sewer line they are required to tap on. In turn this was causing several homes to install $\frac{1}{2}$” lines through private property and installing pumps to their septic systems at the Health Department’s direction. Monty wanted to know if that’s how other utilities operated or if the Health Department was going overboard. The Council seemed to agree that it sounded like the regulations were being misinterpreted and the 1 mile rule was with respect to package treatment plants. Tony White and Mike Sanford both with Mercer County recommended looking into a sanitation district if it wasn’t feasible for the City to extend lines out into the County.

Charlie Martin with LFUCG made a motion to adjourn the meeting. The motion was seconded by Bob Peterson with the City of Frankfort and the motion passed unanimously.

The next meeting will be Friday, July 15, 2016 at 9:30 a.m.
Respectfully Submitted,

Karyn Leverenz
Recording Secretary

Attachments:
A – Sign-In Sheet
B – 1.15.2016 Minutes (attachments for these minutes available upon request)
C – Speaker Presentation
D – 4.15.2016 New/Amended Profile List
The Mercer County Sanitation District was formed in 2005 with the purpose of providing reliable wastewater service outside of the City of Harrodsburg Planning Area.

In 2006, a regional wastewater facilities plan was completed highlighting all areas of the county in need of wastewater service.

The plan prioritized the projects, with probable cost estimates, laying the groundwork for the 20-year plan implemented by the District.

The Mercer County Health Department served as a partner in the initial establishment of the Mercer County Sanitation District.

Several public meetings were held to inform Mercer County Residents about the formation of the District.

A great working relationship has been established between the Mercer County Sanitation District and the Mercer County Health Department.

Many areas throughout Mercer County have problems with on-site sewage disposal failures caused by shallow rock, poorly drained soils, and small lot sizes.

Improper disposal of wastewater can have adverse effects on public health and contaminate the groundwater and surface waters of Mercer County.

It is very difficult, and many times not possible, for new septic systems to be installed that meet the Kentucky Onsite Sewage Regulation in these areas.

Variance are required in many cases to allow homes to continue to be occupied.
The Bright Leaf area of Mercer County includes two hotels, a golf course, and two large subdivisions, and formerly a mobile home park that is no longer in place.

The Bright Leaf area was served by four separate privately owned sewage treatment plants.

The Bright Leaf South subdivision was served by septic systems.

All four of the sewage treatment plants were taken out of service once public sewer from the Mercer Sanitation District became available.

The Bright Leaf South Subdivision was also connected to public sewer allowing the septic systems to be abandoned.
City of Burgin

The City Of Burgin is an incorporated city in Mercer County with a population of around 900 people.

Most residences in Burgin are on small lots with old septic systems.

The city has had a history of failing septic systems, shallow rock, caves and sinkholes, and high levels of E-Coli found in Burgin Spring and Cane Run Creek.

All but three locations in Burgia, The Burgin Independent School, Village Inn Restaurant, and a former factory that has been converted into a book warehouse, are served by septic systems and holding tanks.

The Burgin School, Village Inn Restaurant, and Book Warehouse are served by privately owned sewage treatment plants.
Herrington Lake

1599 Kennedy Bridge Road

Mobile Home Subdivision approximately 60 plus years old
Lots are individually owned with shared septic system
Has at least a 40 year history of failing septic systems
No space available for repairs or replacement of existing systems
Legal action has been taken several times by the Mercer County Health Department against residents in the subdivision because of failing septic system issues
The Mercer County Health Department continues to identify areas of Mercer County that might be candidates for future public sewer line installation.
Amended Project Profiles

Anderson County

**Project Name:** Lawrenceburg - Alton Vacuum Sewer System Replacement Phase 4  
**Project Number:** SX21005006  
**Engineer:** Monty Rhody, City of Lawrenceburg  
**Cost Estimate:** $1,985,000  
**Funding Committed:** $0  
**Project Description:** This project consists of replacing an existing failed vacuum sewer system with a conventional gravity and a low pressure sewer system. There will be approximately 9,800’ of 8” PVC Gravity Sewer Line, 100 Residential Gravity Sewer Reconnects (Includes Church), 2,700’ of 6” PVC Gravity Sewer Service Line, 48 Manholes, 60’ of 4” PVC Force Main, 3,250’ of 3” PVC Force Main, 11,250’ of 2” PVC Force Main, 11,000’ of 1.5” PVC Force Main, 101 Residential Simplex Grinder Stations and 1 Lift Station. The existing vacuum sewer system was installed in the 1970’s and has never operated properly.  
The environmental protection agency has recognized that this is a failed technology and previously awarded the community a grant in the amount of $2,000,000 which was used to construct phase 2 and phase 3 replacement projects. Currently we are experiencing many failures due to age of the system and limitation of the system design. The constant vacuum combined with aging pipe has also created a substantial I&I problem. This final phase will serve 201 households.

*Updated narrative, budget, schedule, components and mapping.*

Franklin County

**Project Name:** Frankfort Sewer Department - Glenns Creek Interceptor  
**Project Number:** SX21073065  
**Engineer:** Amanda Mikuski, Hazen and Sawyer  
**Cost Estimate:** $4,529,000  
**Funding Committed:** $4,529,000  
**Project Description:** The project includes the rehabilitation and/or replacement of approximately 17,208 linear feet of interceptor sewer ranging in size from 15 to 30 inches in diameter.

*Updated impacts – number of households served.*

Mercer County

**Project Name:** Harrodsburg New Wastewater Treatment Plant  
**Project Number:** SX21167003  
**Engineer:** Bob Smallwood, GRW  
**Cost Estimate:** $21,400,000  
**Funding Committed:** $10,000,000  
**Project Description:** Upgrade and expansion of the existing Harrodsburg Wastewater Treatment Plant to 3.5 MGD which will include new oxidation ditch biological treatment and provide service to existing customers along with future city and county residential, commercial and industrial customers. The Harrodsburg WWTP is the regional plant for Harrodsburg and Mercer County and serves the City of Harrodsburg and Mercer County Sanitation District.

*Updated project schedule.*

**Project Name:** Harrodsburg - Corning-Industrial Pump Station and Force Main System  
**Project Number:** SX21167013  
**Engineer:** Ryan Carr, GRW  
**Cost Estimate:** $810,000  
**Funding Committed:** $810,000  
**Project Description:** The project includes the installation of approximately 8500 linear feet of 8” diameter force main, to reroute flow from Corning Industry’s process water which currently discharges into the old gravity system through the downtown area.

*Updated project narrative, mapping to remove pump station.*
Powell County

**Project Name:** Stanton-Sanitary Sewer Service Area Expansion, Phase I  
**Project Number:** SX21197006  
**Engineer:** Ora Main, Nesbitt Engineering  
**Cost Estimate:** $2,565,000  
**Funding Committed:** $0

**Project Description:** Installation of approx. 2.9 miles of 8” gravity sewer, over a 2.2 miles of force main, 45 residential grinder pumps, three small duplex pump stations and one large duplex pump station to provide sewer service to 130 homes and a Brick Manufacturing Plant that employees 20 people. These homes are currently, using on site treatment or straight pipes to provide their sewerage disposal needs. Total flow conservatively (250 gallons/household/day) estimated from these 130 homes is 32,500 gallons/day. The brick plant has a small sewerage package treatment plant (KY0083437) which treats approx. 300-500 gallons per day.

Extending lines to collect the wastewater from these homes and the Brick Plant would collect and bring the wastewater to the Red River Wastewater Authority's (RRWWA) new treatment plant (KY0034428) providing both regionalization and providing a level of treatment of the wastewater, improving the waters of the Commonwealth.

*Updated project narrative, mapping, budget/schedule.*

New Project Profiles

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Franklin County

**Project Name:** Elkhorn WD Capital Improvements  
**Project Number:** wx21073021  
**Engineer:** Warner A Broughman  
**Cost Estimate:** $1,129,785  
**Funding Committed:** $0

**Project Description:** The project consists of constructing a new flood resistant booster pump station (BPS); Rebuild and replace 6600 L.F. of pipeline along Jones Lane; Refurbish an existing elevated water storage tank; Install AMR water meters; Purchase office for business location.

*July 15, 2016 - Received on July 14, 2016*

New Project Profiles

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Madison County

**Project Name:** BMU - Walnut Meadow Pump Station & South Middletown Trunk Sewer Improvements  
**Project Number:** sx21151052  
**Engineer:** David Schrader, Bell Engineering  
**Cost Estimate:** $2,078,400  
**Funding Committed:** $0

**Project Description:** This project includes improvements to the Walnut Meadow Pump Station and Force Main, as well as, the receiving gravity sewer line (South Middletown Trunk Sewer). Improvements to the pump station and force main will alleviate capacity issues during wet weather periods, and improvements to the South Middletown Trunk Sewer will eliminate frequent Sanitary Sewer Overflows (SSO’s) and allow for additional customers to tie-on in the adjacent new development along the trunk sewer route.

Project features include: Replacing three (3) submersible pumps and associated control equipment in the Walnut Meadow Pump Station, Installing approximately 7,000 LF of new 12” SDR 21 force main, Installing approximately 3,250 LF of new 21” PVC gravity sewer, Installing approximately 12 5-foot diameter manholes, Installing an emergency power generator at the pump station site, and finally installing a 30-kW Solar Panel array to provide supplemental power to run the pump station.