Case No. 2019-00401



Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

October 31, 2019

RECEIVED

NOV 0 4 2019

PUBLIC SERVICE COMMISSION

Ms. Gwen R. Pinson, Executive Director Public Service Commission P. O. Box 615 Frankfort, KY 40602-0615

Dear Ms. Pinson:

Kentucky Rural Water Association (KRWA) is applying for approval of a proposed water district management training program pursuant to KRS 74.020 and 807 KAR 5:070. The proposed session, entitled "Continuing Education Training for McCreary Co. Water District," will be conducted December 3, 2019, at the McCreary Co. Water District office in Whitley City, Kentucky. A copy of the proposed agenda is attached as **Exhibit 1**.

As reflected in Exhibit 1, the proposed training program will include presentations on the success of Kentucky's water utilities; a review of various methodologies to assess water loss and appropriate water loss control measures; an overview of roles and obligations for those who manage and operate utilities; and the importance of proper monitoring and evaluation of a utilities assets. These presentations will enhance the attendees' understanding of relevant issues involved in the management, operation, and maintenance of their utility.

The proposed training offers six hours of instruction and should be accredited and approved as water management training satisfying the requirements set forth in KRS 74.020(7) to establish a water district commissioner's eligibility for a maximum annual salary of \$6,000. KRWA is not requesting that the proposed training program be accredited as a program of instruction for newly appointed commissioners.

A biographical statement containing the name and relevant qualifications and credentials for the presenters is attached as **Exhibit 2**.

The written materials that each attendee will be provided are attached as **Exhibit 3** (PowerPoint presentations). Should the presenters revise or amend their presentations prior to the proposed session (or provide additional written materials to the attendees), KRWA will include a copy of the revised presentation with their sworn statement and report regarding the instruction.

Ms. Gwen R. Pinson Page 2 October 31, 2019

KRWA is submitting this proposed training to the Kentucky Board of Certification of Drinking Water Treatment and Distribution System Operators and the Kentucky Board of Certification of Wastewater System Operators to request approval of continuing education credit for operators. A copy of the application is included as **Exhibit 4**. KRWA does not intend to submit this proposed training to additional agencies for accreditation.

Along with a list of the commissioners, their water district, and the number of hours they attend the session, KRWA will provide a sworn statement attesting the accredited instruction was performed and note any changings in the presenters or proposed program curriculum which may occur after certification.

With this letter and enclosed exhibits, the Kentucky Rural Water Association requests that the Commission approve and accredit the proposed training program entitled "Continuing Education Training for McCreary Co. Water District" for six hours of annual water district management continuing education credit.

Respectfully submitted,

Anet (ale

Japet Cole Education Coordinator j.cole@krwa.org

Enclosures (Original and 10 packets)

EXHIBIT 1

Continuing Education Training for McCreary Co. Water District

Presented by

Kentucky Rural Water Association

December 3, 2019

McCreary Co. Water District Office 456 North Hwy. 27 Whitley City, Kentucky

8:30 a.m. – 9:30 a.m.

Session 1: What's so Great About Kentucky?

Presenter: Andy Lange, Kentucky Rural Water Association

In many ways, Kentucky's water and wastewater utilities lead the nation. This presentation will explore many factors that have gone into making this possible, from adequate financing allowing utilities to manage their capacity development to regulations stemming from the USEPA, KY Division of Water, and the Public Service Commission. These factors and other influences have allowed Kentucky's water utilities to operate more efficiently and serve greater areas than utilities in other states.

9:30 a.m. – 9:40 a.m. BREAK

9:40 a.m. – 10:40 a.m.

Session 2: Water Loss Evaluation: Percentage vs. Cost

Presenter: Gary Larimore, Kentucky Rural Water Association

With continuing aging infrastructure, water loss has become an increasingly important metric in the operation of water utilities. This presentation compares different methods of evaluating water loss with three different utilities utilizing cost parameters against traditional volumetric measures.

10:40 a.m. – 10:50 a.m. BREAK

10:50 a.m. – 11:50 a.m.

Session 3: Ethics and Responsibilities for Board Members and Operators

Presenter: Gary Larimore, Kentucky Rural Water Association

The board of a water utility sets the standard and tone by which the utility operates. As such, ethical board practices are crucial to the effective operation of a utility and set the standard for those who manage and operate the system. This session will define roles and responsibilities required of those serving the public.

11:50 a.m. – 12:30 p.m. LUNCH (provided on-site)

12:30 p.m. – 1:30 p.m.

Session 3: Ethics and Responsibilities for Board Members and Operators (cont.)

1:30 p.m. – 1:40 p.m. BREAK

1:40 p.m. – 3:40 p.m.

Session 4: Introduction to Asset Management

Presenter: Joe Burns, Kentucky Rural Water Association

Utilities possess many valuable assets with an expected life span before they need to be refurbished or replaced. Managing these assets is critical to ensuring near-term and long-term financial viability as well as regulatory compliance. This session will cover core components of asset management and the challenges and benefits for planning for the future

EXHIBIT 2

Speaker Bios

Andy Lange is the Assistant Director for the Kentucky Rural Water Association (KRWA) and has been employed there since 1989. Prior to joining KRWA, Mr. Lange worked for the Barren River Area Development District for five (5) years, providing administrative and financial assistance to local governments in the tencounty BRADD region. Mr. Lange has earned a Bachelor of Science in Geography and a Master of Public Administration from Western Kentucky University in Bowling Green, Kentucky. Mr. Lange's duties include Involvement with all management and administrative activities of the Association. Other responsibilities include: coordinating and monitoring internal membership activities, producing and editing KRWA printed publications, and assisting in the administration of KRWA finance programs. He has been involved in the production of operation and maintenance manuals for water systems, the final report for the KY River Authority Water Counts project, and Operation Review studies for utilities.

Gary Larimore has been Executive Director of the Kentucky Rural Water Association since its formation in March, 1979. He received both Bachelor of Science and Master of Public Service Degrees from Western Kentucky University in Bowling Green, Kentucky. Mr. Larimore is responsible for the administration and day-to-day operation of the Association's office. His duties include budgeting and financial management, personnel management, and acting as the primary representative with the membership, the board of directors, and other outside organizations. Other primary duties include representing the Association's legislative and regulatory interests as a full-time lobbyist and working with water-related groups and organizations.

Joe Burns has been with Kentucky Rural Water Association since April, 1994. His experiences at KRWA have included implementing the NRWA source water protection program and oversight of the NRWA wellhead program and the Division of Water wellhead protection assistance grant. Prior to joining the KRWA staff, Mr. Burns was a Senior Groundwater Hydrologist for the Kentucky Division of Water beginning in July, 1991, where he was responsible for formulating Kentucky's Wellhead Protection Strategy. He also has experience in drilling and environmental monitoring. Joe holds Bachelor of Science and Master of Science degrees in Geology from Eastern Kentucky University. He currently works with the Assistance for Small Water Systems initiative in partnership with the Kentucky Division of Water to provide Managerial, Financial, and Technical Assistance to small drinking water systems.

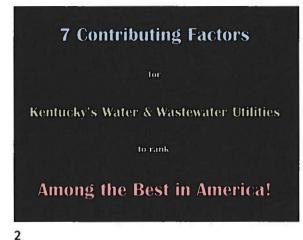
EXHIBIT 3

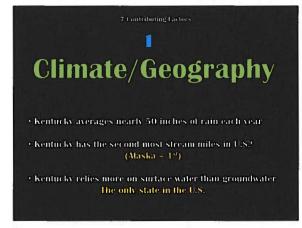
EXHIBIT 3

List of PowerPoint Presentations

Session 1:	What's So Great About Kentucky?
Session 2:	Water Loss Evaluation: Percentage vs. Cost
Session 3:	Ethics and Responsibilities for Board Members and Operators
Session 4:	Introduction to Asset Management







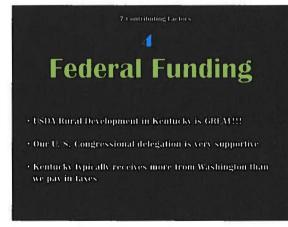
2 Federal Laws • The Safe Drinking Water Act (1974)

- The Clean Water Act (1972)
- State Primacy (sDWA-1977, CWA 1983)

4

State Laws & Regs

DOW has been "out tront" of most federal regulations
KRS Chapter 74 established a tranework for success!
PSC jurisdiction has contributed to mostly-solvent utilities

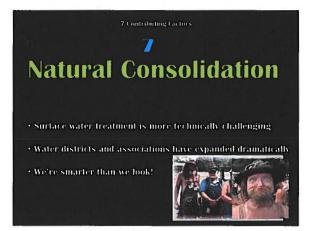




Kentucky Intrastructure Authority reorganized







Public Water Systems

- A system for the provision to the public of water for hum in consumption through pipes or other constructed conveyances, if such system has at least fifteen service connections or regularly serves at least twenty, five individuals
- CWS Community Water System (serves year-round) Municipalities Water Districts, Water Associations, Priostele award
- TNCWS Transient Non-Community Water System

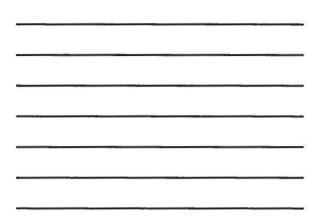
NTNCWS - Non-Transient Non-Community Water System

11

Natural Consolidation

YEAR	TNCWS	NTNCWS		PWS	CHANGE
I LAN	THEMS	MINCHS		Fills	GHANOE
1974	1066	254	868	2188	
1979	805	252		1812	-17 %
1989	400	215	639	1254	-31 %
1999	199	85		781	-38 %
2009	49	26		484	-38 %
2019	25	15		392	-19 %

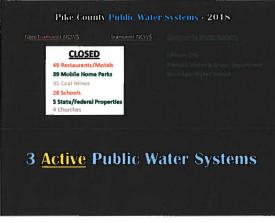




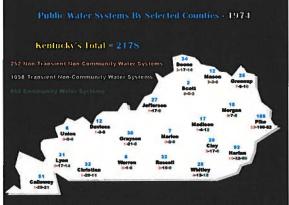




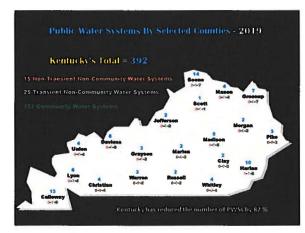
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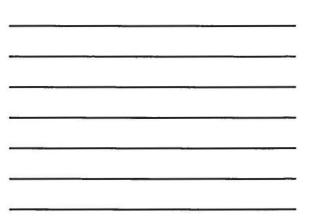


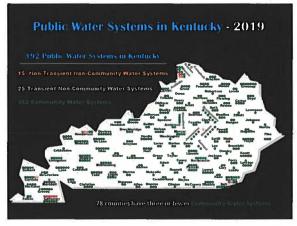


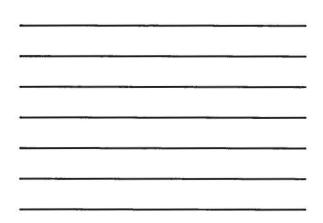


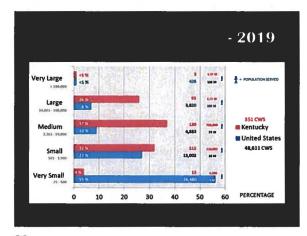


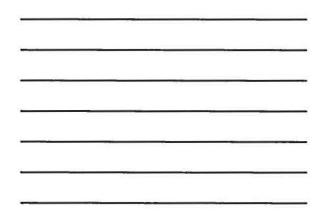


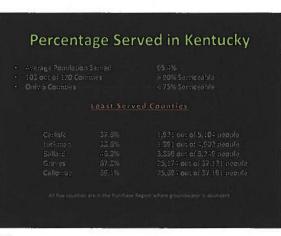


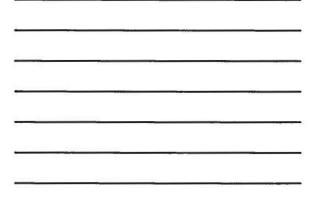


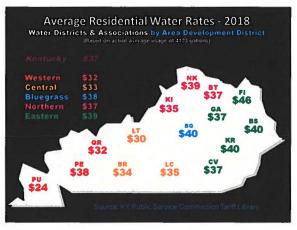


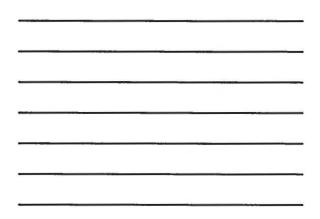








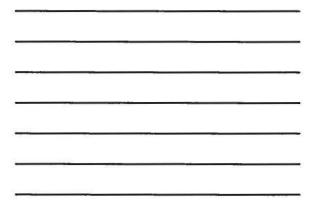


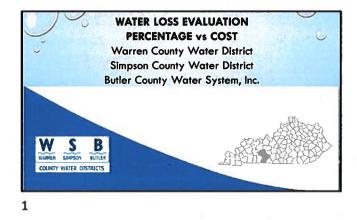


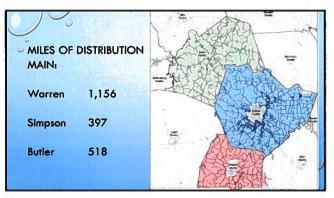
Water Rate Comparisons - 2018						
	4,000 gallons					
		Mediai)				
All Cities (200)	\$29	\$28	\$36			
		\$37				

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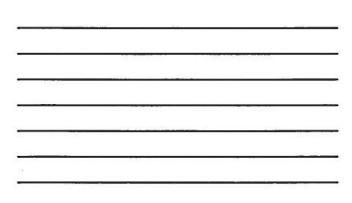




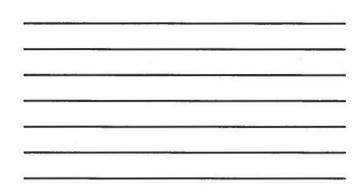


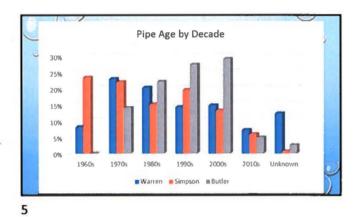


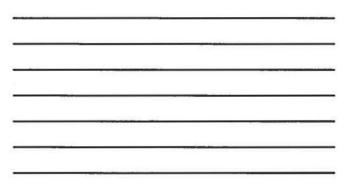
	S	Miles	
Pipe Size (in)	WARREN	SIMPSON	BUTLER
4" or Less	575	276	322
6"	351	61	159
8"	133	42	33
10"	34	10	1
12"	30	6	4
14"	5	0	0
16"	9	2	0
20" or Larger	19	0	0
Total	1,156	397	518

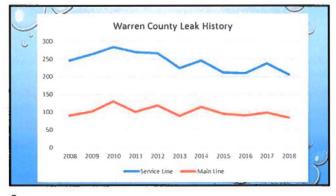


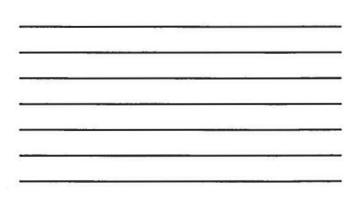
The states of the	PIPE MATE		
	Warren	Simpson	Butler
Asbestos Cement	1.2%	11.1%	1.7%
Cast Iron	6.2%	0.1%	0.0%
Ductile Iron	3.5%	1.1%	0.7%
PVC	89.0%	87.7%	97.6%
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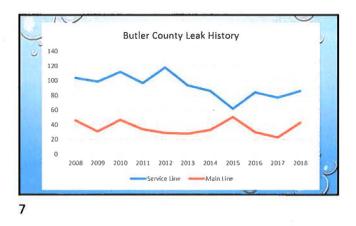


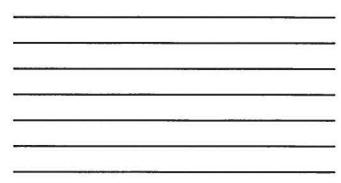


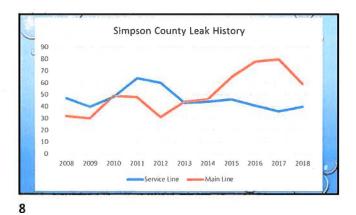


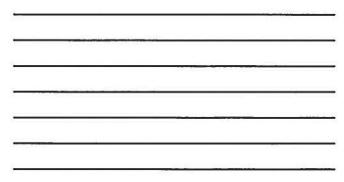


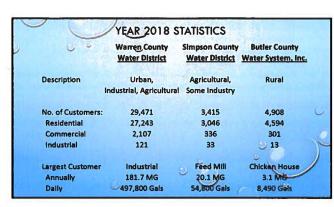


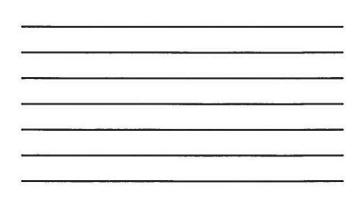










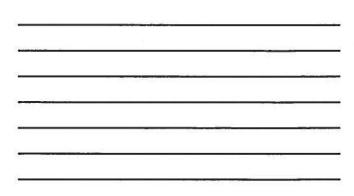


-			0
0	WARREN	SIMPSON	BUTLER
Miles of Distribution Main	1,156	397	518
Customers Per Mile of Main	25.5	8.6	9.5
Miles of Service Line	179	23	31
Gallons Sold:	2,745,187,000	340,563,000	256,515,000
% Residential	53%	52%	87%
% Commercial \ Industrial	47%	48%	13% 🥹
New Meter Applications	801	42	50

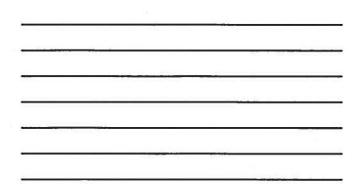
SOURCE OF	SUPPLY	ENN A
WARREN	SIMPSON	BUTLER
3,145,932,000	423,024,000	
		329,354,000
Bowling Green Muncipal Utilities	White House Water District	N/A
\$1.3570	\$2.6590	\$1.6138
	WARREN 3,145,932,000 Bowling Green Muncipal Utilities	3,145,932,000 423,024,000 Bowling Green Muncipal Utilities Water District

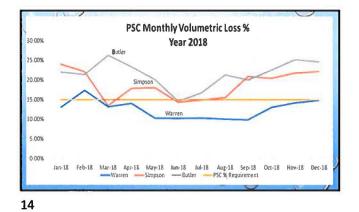
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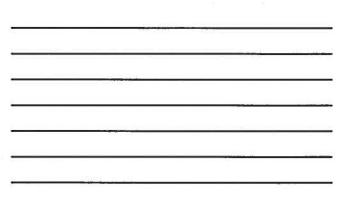
		PSC ANNUAL REPO		ALC: NOT
In	WAICK S	WARREN	SIMPSON	BUTLER
Ln 4	Purchased	3,145,932,000	423,024,000	-
	Produced	Sec. 112-12		329,354,000
13	Sold	2,745,187,000	340,563,000	256,515,000
	Total Lost	400,745,000	82,461,000	72,839,000
17	Wastewater Plant	milling.	-	
18	System Flushing	10,800,000	2,571,000	2,343,00
19	Fire Department	172,000	39,000	81,00
20	Other	1,765,000	468,000	232,00
21	Total Other Water Used	12,737,000	3,078,000	2,656,00



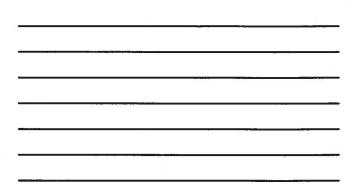
0		8 PSC ANNUAL REPOR STATISTICS (REF PAGE (CON'T)		
In		WARREN	SIMPSON	BUTLER
24	Tank Overflows	121,000	- 14 A	266,000
25	Line Breaks	2,830,000	2,057,000	888,000
26	Line Leaks	382,446,000	76,350,000	66,249,000
27	Other	2,611,000	976,000	2,780,000
28	Total Line Loss	388,008,000	79,383,000	70,183,000
33	Line 28 divided by Line 4	12.3%	18.8%	21.3%
		ຍ (00	00)

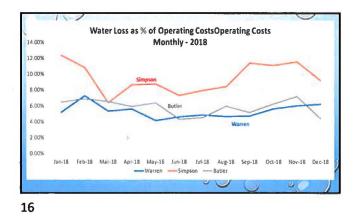


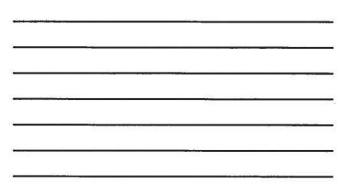




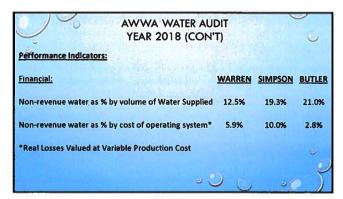
	2018		
PSC Line Loss	WARREN 388,008,000	<u>SIMPSON</u> 79,383,000	BUTLER 70,183,000
Purchased \ Produced Cost per 1000 Gal	\$1.3570	\$2.6590	\$1.6138
Power Costs	\$0.1323	\$0.0622	\$0.1123
Total Pumping Costs	\$1.4893	\$2.7212	\$1.7261
Line Loss \$	\$577,863	\$216,019	\$121,143
Operating Costs	\$10,856,765	\$2,276,445	\$2,099,856
Line Loss as % of Operating Costs	5.3%	9.5%	5.8%

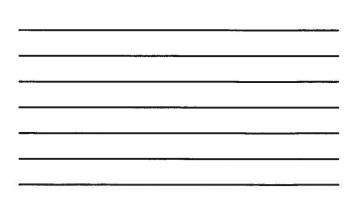




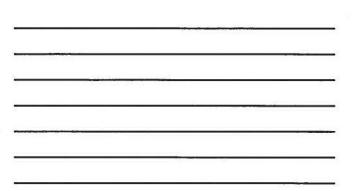


	VATER A R 2018	UDIT		0
System Attributes:	WARREN	SIMPSON	BUTLER	
Apparent Losses	20.211	2.590	1.967	MG/Yr
+ Real Losses	360.640	76.041	63.413	MG/Yr
= Water Losses	380.852	78.631	65.380	MG/Yr
Unavoidable Annual Real Losses (UARL)	321.11	77.31	120.65	MG/Yr
Annual Cost of Apparent Losses	\$80,845	\$16,599	\$15,529	
Annual Cost of Real Losses	\$537,715	\$203,104	\$40,543	Variable Cost
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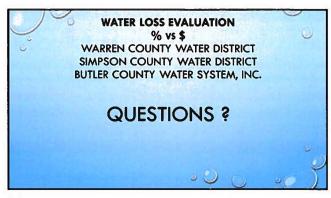


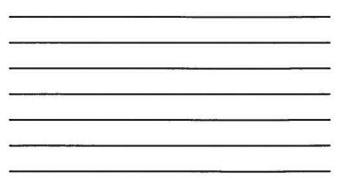


AWWA WAT YEAR 2018				0
Pérformance Indicators:	1			
Operational Efficency:	WARREN	SIMPSON	BUTLER	
Apparent Losses per service connection per day:	1.75	1.76	0.93	gals/conn/day
Real Losses per length of main per day:	854.72	524.76	335.07	gals/mile/day
Real Losses = Current Annual Real Losses (CARL):	360.64	76.04	63.41	MG/Yr
Infrastructure Leakage Index (ILI) [CARL/UARL]	1.12	0.98	0.53	e
Data Validity Score	81	81	81	¢.
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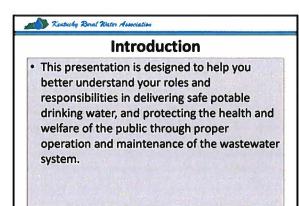


SUMMA	ARY		-
	WARREN	SIMPSON	BUTLER
/olumetric:			
PSC Water Loss %	12.3%	18.8%	21.3%
AWWA Non Revenue Water %	12.5%	19.3%	21.0%
inancial:			
PSC Water Loss as % of Operating Costs	5.3%	9.5%	5.8%
AWWA Non-Revenue % of Operating Costs	5.9%	10.0%	2.8%
Line Loss \$ (Purch/Prod + Pumping)	\$577,863	\$216,019	\$121,143
AWWA Annual Cost of Real Losses	\$537,715	\$203,104	\$40,543
	. 2)		5









Kentucky Boral Water Association

Utility Mission

- Protect the public health and safety
- Protect the environment
- Comply with federal and state regulations
- Serve large and small customers
- Tool to shape, facilitate, or encourage growth
- Maintain infrastructure in good operating condition

Anthropy Beral Water Association

Board Member Basic Legal and Financial Responsibilities

- Fiduciary Responsibility
- Ethical Responsibilities
- Customer Relations
- Safe Drinking Water and Responsible Wastewater Management
- Laws, Rules and Regulations
- Strategic Planning, Operational Policies, and Procedures
- Board Conducts Business as a Quorum
- Records, Minutes and Notices

4

Kentucky Bonal Water Association

Fiduciary Responsibility

- To exercise rights and powers for and on behalf of others with diligence and care
- To ensure that your water/wastewater system receives, records and spends funds in accordance with modern accounting, purchasing and record-keeping standards
- To assure that system revenue covers operations plus debt service plus reserves

5

Kontucky Roral Water Association

Ethical Responsibilities

- A public office is a public trust. The public has the right to secure and sustain trust against abuse, the board and each board member are expected to use the highest level of integrity in all matters dealing with the decision-making process
- Board members shall not gain financially or otherwise from their service on the board

Customer and Customer Relations

- Your system exists to serve the public, and there are three major groups of players to do this and each with very different roles
 - Board or governing Body
 - Manager and Executive
 - Utility Staff/Employees

7

Nontricky Royal Water Association

Safe Drinking Water and Responsible Wastewater Management

 All board decisions must ensure that the water system will supply adequate and safe drinking water along with handling wastewater services

8

Kentucky Royal Water Association

Laws, Rules and Regulations

 The Board ensures compliance with all applicable federal, state and local laws and ordinances

Strategic Planning, Operational Policies and Procedures

 The Board conducts strategic planning, sets policy, and sees that the system follows the operational policies and procedures

10

Kontucky Boral Water Association

Board Conducts Business as a Quorum

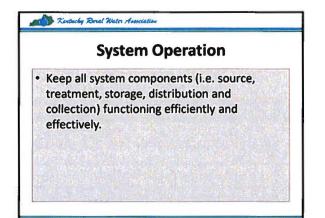
 A quorum is the minimal number of officers and members of a Board, usually a majority, who must be present for valid transactions of business

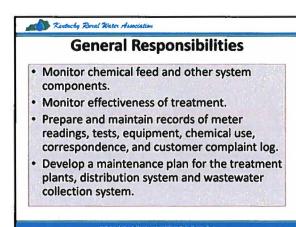
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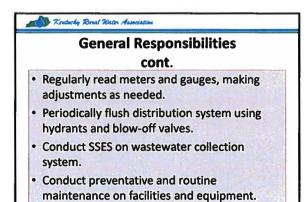
Kertucky Romal Water Association

Records, Minutes and Notices

• The Board is responsible to see that all decision making is conducted in open meetings and complies with Kentucky Statutes







General Responsibilities

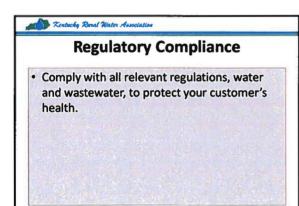
- Periodically assess efficiency of system components.
- Conduct frequent system and security inspections.
- Update system maps when a significant change to the distribution system or wastewater collection system has been made.

16

Kontucky Bonal Water Association

General Responsibilities

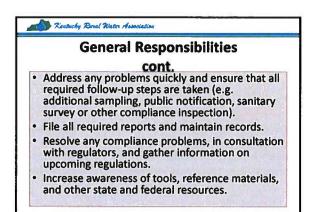
- Make all process control/system integrity decisions necessary to maintain the quality and quantity of water delivered to your customers.
- Attend training to meet state primacy agency's continuing education requirements.
- Create and follow Standard Operating Procedures (SOPs).

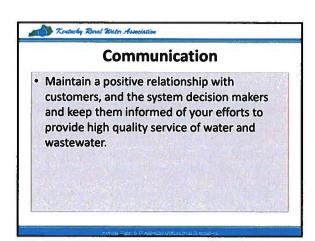


General Responsibilities

- Develop and maintain a sampling plan, designed to protect the system, that covers all monitoring requirements.
- Collect or oversee collection of samples.
- Conduct routine inspections of water sources and watersheds to identify potential sources of contamination.

19





General Responsibilities

- Report analytical results to regulators as required.
- Participate in the development and delivery of Consumer Confidence Reports (CCRs).
- Maintain, respond to, resolve, and keep a record of customer complaints.
- Communicate with the owner, manager, or board about technical and financial needs of your system (this includes training for recertification).

22

Kontracky Bonal Water Association

General Responsibilities cont.

- Records should be kept of any communication with decision makers.
- Inform the state of the results of technical improvements and their impact on the system.
- Inform the owner, manager, or board of any key findings from routine inspections and scheduled maintenance.

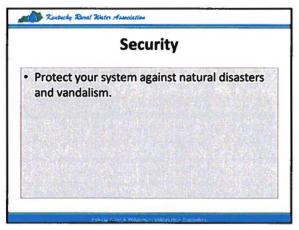
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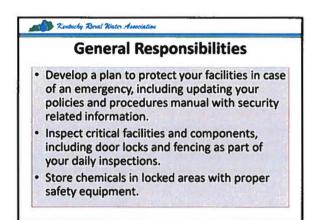
Kentucky Boral Water Association

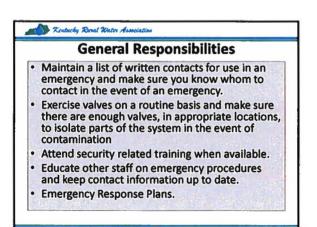
General Responsibilities

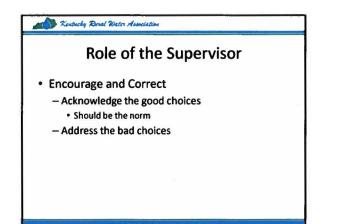
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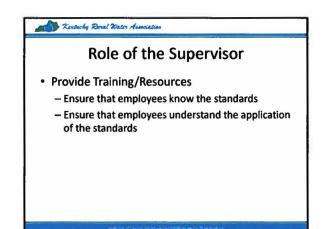
- Provide input for planning and preparing for equipment replacement.
- Develop and maintain a plan for monitoring system process controls and meet all related goals, in consultation with the system owner, manager, or board.









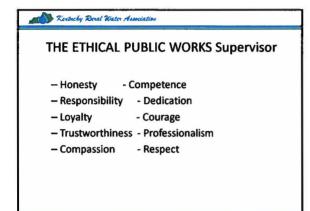


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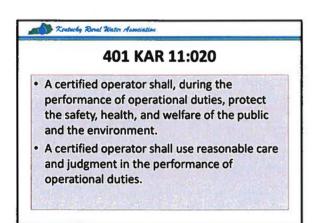
Kentucky Boral Water Association

Responsibility of a Supervisor

- Promote Ethical Environments
- How?







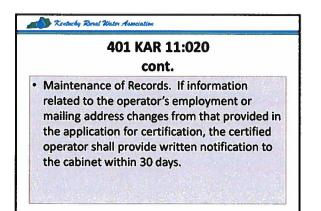
401 KAR 11:020

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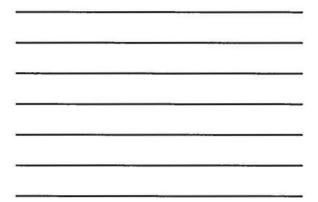
- If a certified operator's judgment is overruled by an employer under circumstances in which the safety, health, and welfare of the public or the environment are endangered, the certified operator shall inform the employer of the possible consequences.
- A certified operator shall be objective, truthful, and complete in applications, reports, statements, or testimony provided to the cabinet

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Antuchy Boral Water Association

 The importance of developing a strong work ethic and how the work ethic you develop will impact your future as an employee.

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Kentucky Royal Water Association

What is Work Ethics

• Definition: A standard of conduct and values for job performance.

Kentucky Boral Water Association

Expectations for Employees

- What does an employer want?
- · What are the traits of a winning employee

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Top 10 Work Ethics

- Attendance
- CharacterTeamwork
- Appearance
- Appearant
- Attitude
- Productivity
- Organizational Skills

Kentucky Boral Water Association

- Communication
- Cooperation
- Respect

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Kentucky Bural Water Association

Work Ethics - Attendance

- Be on time...Don't be absent
- Limit Absences Be at work every day possible; Plan your absences; Don't abuse leave time
- Come to work on time Be punctual every day

Kentucky Roval Water Association

Work Ethics - Character

- Be Honest Honesty is the single most important factor having a direct bearing on the final success of an individual or utility
- Be Dependable Complete assigned tasks correctly and promptly
- Be Loyal Speak positively about the company, supervisors and fellow employees
- Be Willing to Learn Look to improve your skills

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Xentucky Boral Water Association

Work Ethics- Teamwork

- Working toward a goal requires cooperation and respect
- Be a Team Player The ability to get along with others – including those you don't necessarily like
- Leadership Abilities The ability to be led and/or to become a leader

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Kentucky Boral Water Association

Teamwork cont.

- Be a Contributing Member The ability to carry your own weight and help others who are struggling
- Accept Compromise Recognize when to speak up with an idea and when to compromise by blending ideas together



Work Ethics - Appearance

- Dress Appropriately Dress for success, Set your best foot forward
- Personal Hygiene _____
- Good Manners Hand shake, Demeanor, Eye
 Contact
- Remember that the first impression of who you are can last a lifetime

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Work Ethics - Attitude

- Have a Good Attitude Listen to suggestions, Be Positive
- Accept Responsibility for One's Work If you make a mistake, admit it

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Kentucky Bural Water Association

Work Ethics - Productivity

- · Do the work correctly
- · Quality and timeliness are prized
- Get along with co-workers cooperation is the key to productivity
- Help out whenever asked, Do "extras" without being asked
- Take pride in your work, Do things the best you know how

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Work Ethics – Organizational Skills

- Written Communications Being able to correctly write reports and memos
- Verbal Communications Being able to communicate one on one or to a group

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Work Ethics – Cooperation

- Follow company rules and policies, learn and follow expectations
- Get along with co-workers, cooperation is the key to productivity
- Appreciate privileges and don't abuse them, privileges are favors and benefits

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Work Ethics - Respect

- · Work Hard Work to the best of your ability
- Carry Out Orders Do what's asked the first time
- Show Respect Accept and acknowledge an individual's talents and knowledge
- Be Sensitive to Racial and Cultural Difference

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Why People Lose Their Jobs

- They Get Laid Off Job loss not their fault
- They Get Fired Job lost because of their actions

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Common Reasons Why Employees are Fired - Attendance

 Being late or absent from work – shows lack of responsibility, can hinder productivity

53

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Reasons Employees are Fired -Character

- Being Dishonest Trust, once lost, is hard to regain
- Being Unreliable Dependability is an employee asset
- Abusing Drugs or Alcohol Can create health and/or safety issues

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Reasons Employees are Fired – Teamwork

- Bossing others around giving orders is the boss's job
- Not Carrying Your Weight Not doing your part, relying on others to do your job for you

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Reasons Employees are Fired – Appearance

- Dress Code This can be a safety issue as well as a disregard for rules
- Remember that you are a representative of your utility, how you dress and act can reflect either positive or negative on the utility

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Reasons Employees are Fired – Attitude

- Being Troublemakers Stirring up dissent among others, Causing arguments and problems
- Being rude and using abusive language
- Inappropriate behavior is inexcusable

Anthropy Beral Water Association

Reasons Employees are Fired – Productivity

- Failing to do the task/job properly (costly errors hurt business as well as your image)
- Being Lazy It is a form of theft
- Being Careless Can lead to accidents/profit loss

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Reasons Employees are Fired – Organizational Skills

- Loosing tools and materials, unable to locate items
- Lacking of time management, not meeting deadlines
- Unprepared Not ready for meetings or presentations and even everyday tasks

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Reasons Employees are Fired – Communication

- Failure to Communicate (written and/or verbal) – Unable to properly express one's thoughts and ideas
- Unable to interpret instructions and directions

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Reasons Employees are Fired – Cooperation

- · Not getting along with others
- Failing to follow rules and policies
- Not following instructions "Doing your own thing"

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Reasons Employees are Fired – Respect

- Being Disrespectful Argumentative and confrontational
- Making fun of, harassing, or discriminating against others (could bring on legal issues)

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Reasons Employees are Fired – Other

- Being dissatisfied all the time
- Theft
- Incompetence Lack of ability to perform assigned tasks

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Positive Actions to Take if You're Fired

- · Correct your faults, move forward
- Don't repeat your mistakes, learn from them
- Think positively about your next job

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ETHICS

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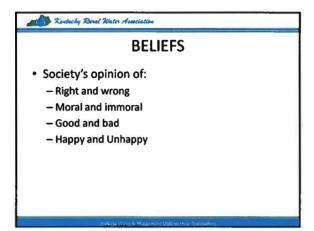
- The discipline dealing with what is good and bad and with moral duty and obligation.
- A set of moral principles and/or values.

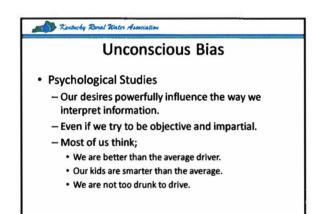
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MORALS

- Of or relating to principles of right and wrong in behavior.
- Expressing or teaching a conception of right behavior.





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VALUES

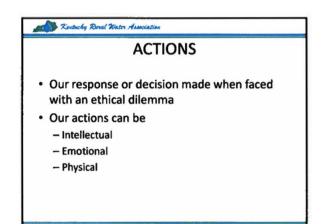
- Honesty (truthfulness, openness)
- Integrity (convictions, courage)
- Objectivity (independence, fairness, equality)
- Promise Keeping (fulfilling commitments)
- Fidelity (loyalty, confidentiality)
- Caring (compassion, kindness)
- Respect (dignity)
- Accountability (responsibility)
- Excellence (quality of work)
- Citizenship (respect of law, social consciousness)
- Character

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ETHICS

- Our individual feelings of moral duty and moral obligation that guide how we actually behave and act
- Our own guidelines and rules to help us make decisions of right and wrong while we strive for what the ancient Greeks called "eudaimonia" or happiness and flourishing in our life and our work.

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Our Own Ethics Orientation

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Whatever our level of moral development, we have all developed our own individual ethical orientation or tendencies we follow when faced with making decisions that involve ethical dilemmas.

What is your ethical orientation?



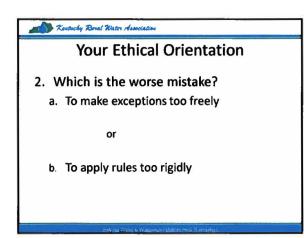
Your Ethical Orientation

- 1. Which is worse?
 - a. Hurting someone's feelings by telling the truth

or

b. Telling a lie and protecting their feelings

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Your Ethical Orientation

3. Which is it worse to be? a. Unmerciful

or

b. Unfair

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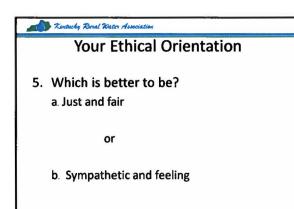
Your Ethical Orientation

- 4. Which is worse?
 - a. Stealing something valuable from someone for no good reason

or

b. Breaking a promise to a friend for no good reason

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Your Ethical Orientation

6. Which is worse?

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a. Not helping someone in trouble

or

b. Being unfair to someone by playing favorites

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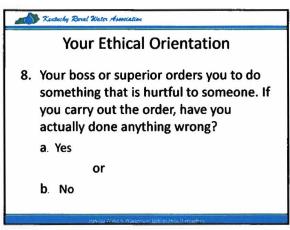
Your Ethical Orientation

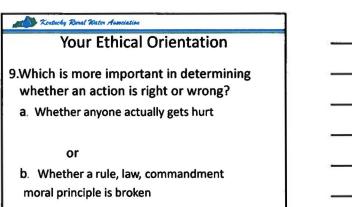
 In making a decision, on which do you rely more?
 a. Hard facts

or

b. Personal feelings and intuition

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Mater Association

Ethical Orientation- What's is Yours?

Ethics of Justice (J orientation)

- Based on equal application of moral principles and laws or policies with little flexibility or exceptions

- Generally more common of men than women
- Ethics of Care (C orientation)
 - Based on sense of responsibility to reduce harm and suffering with considerable flexibility for individual cases
 - Generally more common of women than men
 - (Based on Ethical Orientation Questionnaire developed by the Center for Ethics and Business at Loyola Marymount University)

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Ethics - What's in it for me?

- A more accurate understanding of the world around you
- · Greater control over your behavior
- · A stronger personality
- · A greater likelihood of a happy and healthy life

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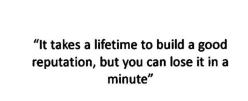
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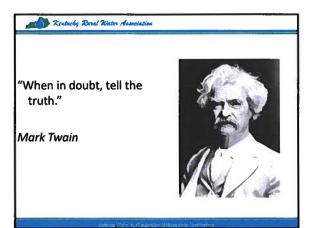
Points Learned

- Conscience be your guide
- Honesty
- Feelings and Beliefs
- Think through situation first
- · Concerns for results to society
- Education
- Expectations
- Work when you're alone like you would as if you are being watched



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Kentucky Bonal Water Association

Serving the Public Interest

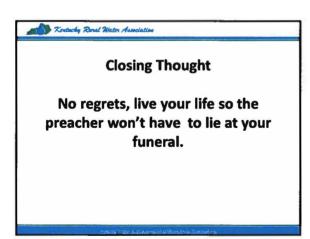
 Civil servants and public officials are expected to maintain and strengthen the public's trust and confidence in government, by demonstrating the highest standards of professional competence, efficiency and effectiveness, upholding the Constitution and the laws, and seeking to advance the public good at all times.

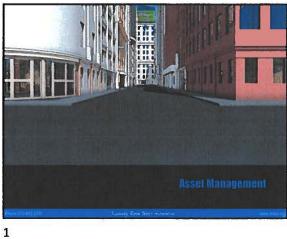
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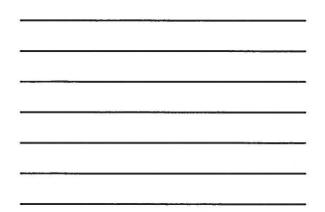
Kontricky Beral Water Association

AS A PUBLIC OFFICIAL YOU SHOULD BEHAVE ETHICALLY BECAUSE:

- The public trusts that you will act in the public interest, not your personal one.
 – Is there a lot of trust (mistrust) today?
- You have a virtual monopoly over the infrastructure that supports the public's well being
- Why else are you in the public sector if not to do the right thing? It's certainly not for the money.

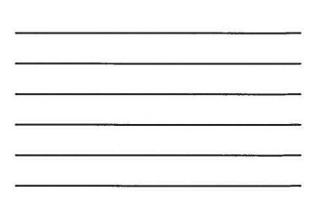




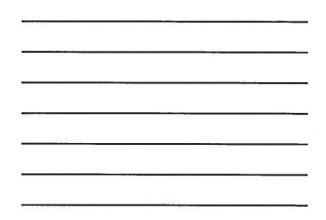






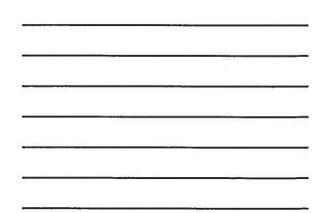


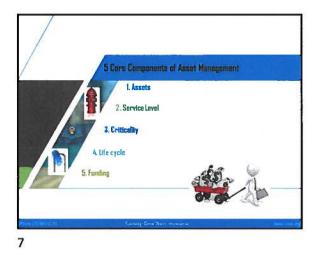


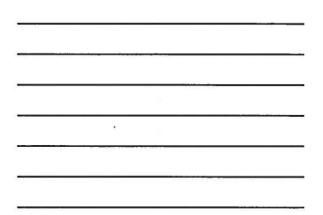


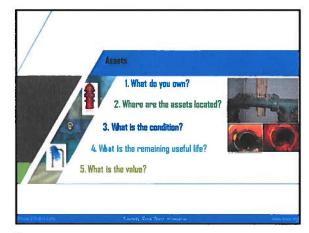




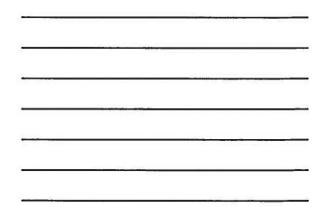




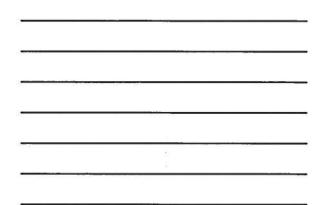


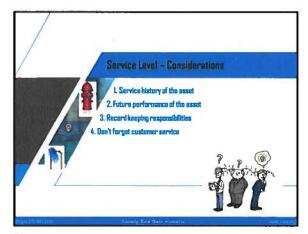


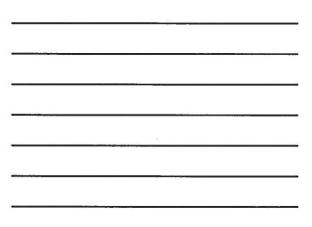




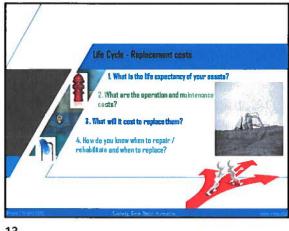


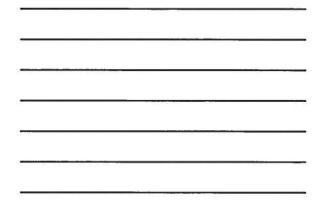


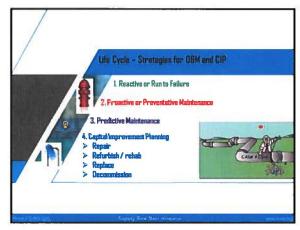


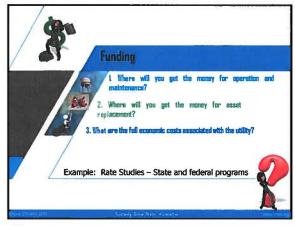


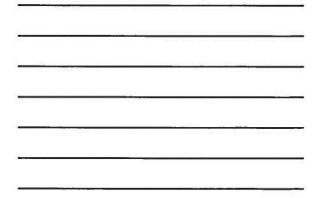


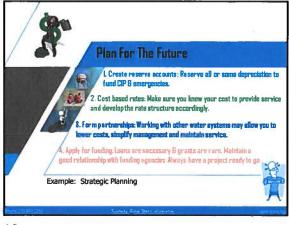






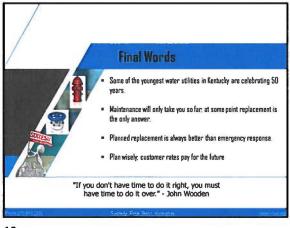


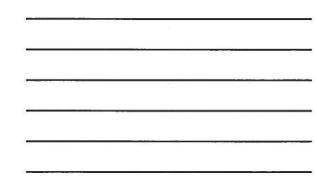












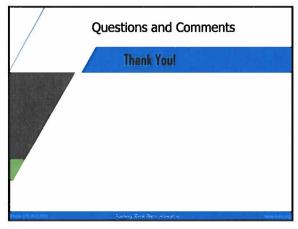


EXHIBIT 4

Mail to:	Commonwealt Department for Envir		For Official Use Only Do not write in this space
Division of Compliance Assistance	Application for Appr		
Certification and Licensing Branch Operator Certification Program	Continuing Ed		OODV
300 Sower Blvd.	Drinking Water Treatment, I	Drinking Water Distribution.	COPY
Frankfort, KY 40601	Bottled	Water,	
	Wastewater Treatment	and Collection System	
	Telephone: 1-8 www.dca.ky.go	300-926-8111 ov/certification	
I. Course Sponsor Information	:	Agency Interest Number	:108571
A. Sponsoring Organization (school, business, association	n, etc.):	
Kentucky Rural Water Assoc	ciation		
Key Contact Person:			
Name and Title:	, Education Coordinator		
Address: 1151 Old Porter Pil	ke	<u></u>	
City, State and Zip: Bowling Green, KY 42103 Phone and Fax: Ph: 270.843.2291 Fx: 270.796.8623			
J.GOIB@RIWA.UI			
Web Page: www.krwa.org			
I One-Time Approv	al Requested	🗌 Two-Year Ap	proval Requested
 B. If individual requesting an the following information: 	pproval is different than the k	ey contact person for the sp	onsor, please complete
Name and Title:			
Address:		······································	
City, State and Zip:			
Phone and Fax:			Carden and the same
E-mail:			
II. General Course Information:			
A. Title: Continuing Education	n Training for McCreary Co. Water	District	
B. Location and Date/s: <u>M</u>	icCreary Co. Water District Office,	Whitley City, KY / Decer	nber 3, 2019
C. Cost per Student or Group	p: \$		
D. Delivery Format or Media	(check those that apply):		
🗙 Classroom	Web/Online	Laboratory	
	CD-ROM		
Other			
(Explain)			



E. Continuing Education Credits (hours) Requested for Target Audience:

 Drinking Water Treatment, Distribution and/or Bottled Water:
 6 hours

 Wastewater Treatment and/or Collection:
 5 hours

(Attach a detailed description explaining how this training relates to the wastewater treatment process.)

III. Required Items (must be attached to submittal, check off as completed):

- A. X Course Learning Objectives
- B. X Criteria for Successful Completion by Operators
- C. X Agenda (timed with instructors identified and brief description of topics)
- D. X Credentials for All Instructors

IV. Additional Attachments (required for distance learning courses, optional for other training):

- A. Instructional Design (developed by whom/their credentials)
- B. Curriculum Content (subject matter experts/their credentials)
- C. Required Assignments and/or Examinations (type, passing score, etc.)
 - Mandatory Time Constraints (deadlines, granting of extensions, etc.)

V. Signature of Sponsor's Contact Person

D.

I confirm that all information provided with this application is accurate to the best of my knowledge. A complete list of attendees and credits to be awarded to them will be forwarded on a "Continuing Education Activity Report" to the Kentucky Division of Compliance Assistance (within 30 days of completing the course when possible).

 Printed Name and Title:
 Janet Cole, Education Coordinator

 Signature and Date:
 Quit Cole

 October 31, 2019