

Russ, Inc.

80 Parkway Lane
Central City, KY 42330

Water and Wastewater Consulting

Phone 270-754-3359, Cell 270-543-3734

February 7, 2018

Jeff Derouen
Public Service Commission
P O Box 615
Frankfort KY 40602-0615

RECEIVED

FEB 12 2018

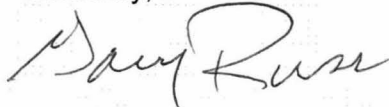
**PUBLIC SERVICE
COMMISSION**

Dear Mr. Derouen,

I have enclosed 10 copies plus the original of a water training class application I am sponsoring to be held March 27 & 28, 2018.

If you have any question or need to contact me I can be reached by phone at 270-543-3734 or email at gary.russ@russinc.com.

Sincerely,

A handwritten signature in cursive script that reads "Gary Russ".

Gary Russ

<p>Mail to:</p> <p>Division of Compliance Assistance Certification and Licensing Branch Operator Certification Program 300 Fair Oaks Lane Frankfort, KY 40601</p>	<p>Commonwealth of Kentucky Department for Environmental Protection</p> <p>Application for Approval of Courses for Continuing Education Credit</p> <p><i>Drinking Water Treatment, Drinking Water Distribution, Bottled Water, Wastewater Treatment and Collection System</i></p> <p>Telephone: 1-800-926-8111 www.dca.ky.gov/certification</p>	<p><i>For Official Use Only Do not write in this space</i></p>
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I. Course Sponsor Information:**Agency Interest Number:** _____

A. Sponsoring Organization (school, business, association, etc.):

Russ, Inc

RECEIVED**FEB 12 2018**

Key Contact Person:

**PUBLIC SERVICE
COMMISSION**

Name and Title: Gary Russ, Owner

Address: 80 Parkway Lane

City, State and Zip: Central City, KY 42330

Phone and Fax: 270-754-3359

E-mail: gary.russ@russinc.com

Web Page: _____

☒ One-Time Approval Requested☐ Two-Year Approval Requested

B. If individual requesting approval is different than the key contact person for the sponsor, please complete the following information:

Name and Title: _____

Address: _____

City, State and Zip: _____

Phone and Fax: _____

E-mail: _____

II. General Course Information:

A. Title: Water/Wastewater Training

B. Location and Date/s: March 27 & 28, 2018, Muhlenberg Co Ag Center, Powderly KY

C. Cost per Student or Group: \$ Free

D. Delivery Format or Media (check those that apply):



Classroom



Web/Online



Laboratory



Exhibition



Field



CD-ROM



Video/Audio



Correspondence



Other (Explain)

E. Continuing Education Credits (**hours**) Requested for Target Audience:Drinking Water Treatment, Distribution and/or Bottled Water: 12 hoursWastewater Treatment and/or Collection: 12 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):

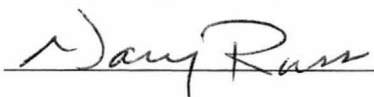
- A. ☒ Course Learning Objectives
- B. ☒ Criteria for Successful Completion by Operators
- C. ☒ Agenda (timed with instructors identified and brief description of topics)
- D. ☒ Credentials for All Instructors

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.)
- D. ☐ Mandatory Time Constraints (deadlines, granting of extensions, etc.)

V. Signature of Sponsor's Contact Person

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: Gary Russ, President/Owner Russ, Inc. 2/5/18Signature and Date:  2/5/18

A: Course Learning Objectives

The objective of this course is to provide the operators with new information to assist them in the operations of the Water Treatment Plant, Distribution system, Wastewater Treatment Plant and Collection System or serve as a fresher to aid them.

B: Criteria for Successful Completion

No exam will be given during this training course. Each operator must sign-in each day and a course proctor will be present to ensure that all of the participants attend the courses. If an operator chooses to leave before the completion of the course they will only receive credit for the hours attended. This will be noted on the roster turned into the DCA.

C: Agenda and Instructor Credentials

Day 1

8:00 am – 9:00 am

Title: Operator Ethics

Hours Requested: 1.0

Speaker: Gary Russ, Russ, Inc.

Topic: This presentation will focus on importance of the operator's accountability with issue facing the water and wastewater industry.

9:00 am – 10:00 am

Title: DOW Update

Hours Requested: 1.0

Speaker: Jackie Logsdon, DOW – Madisonville Office

Topic: This presentation will focus on new upcoming regs and an update on current issues.

Break

10:00 am – 10:15 am

10:15 am – 11:30 am

Title: Hydraulic Tools and Their Application

Hours Requested: 1.25

Speaker: Jeff Warren, Stanley Hydraulics

Topic: The speaker will display a variety of hydraulic tools and their use in the water and wastewater field. These tools include various hydraulic chain saw, hydraulic pump, and hydraulic pipe clamp. These tools are used in the repair of water line and collection lines. There will be a demonstration of some of the tools.

Lunch 11:30 am – 12:30 pm

12:30 pm – 1:30 pm

Title Scada, Communications, and Cyber Security

Hours Requested: 1.0

Speaker: Ken Jessee, Rick's Electric

Topic: The presentation will provide a brief overview of the new technology that is being incorporated into Scada systems and what benefits and challenges this brings, A brief introduction to the new trends in communications infrastructure and the benefits and challenges this brings, and finally an overview of the increasing challenges and threats to the security of Water and Waste Water control systems and how these can be mitigated.

Break 1:30 pm – 1:45 pm

1:45 pm – 2:45 pm

Title: Performance Contracts

Hours Requested: 1.0

Speaker: Brandon Marcum, Anthony Wright, Harshaw Trane

Topic: This presentation looks at how a system may benefit from more efficient operations. Meter measuring accuracy as well as electrical motor efficiencies and how this saving may give an alternate source of revenue.

2:45 pm – 3:30 pm

Title: Wrap up & Review

Hours Requested: 0.75

Speaker: Gary Russ, Russ, Inc.

Topic: A review of the topics covered.

Day 2

8:00 am – 9:00 am

Title: Lab Procedures

Hours Requested: 1.0

Speaker: Archie Fugate, Mark DeMoss, Syd Tate, McCoy & McCoy Labs

Topic: This presentation will cover laboratory procedures, as well as, proper collections and preservation of samples and analytical data. It will also focus analysis tracking to insure the system remains current on all sample requirements.

9:00 am – 10:00 am

Title: Chemical Feed Control Systems

Hours Requested: 1.0

Speaker: Mark Vandiver

Topic: This presentation looks at the automation of chemical feed equipment and the saving that a user can gain simple by not over feeding chemicals. The participants will see how the technology could be introduced into their operation and assist them in running a more efficient operation.

Break 10:00 am – 10:15 am

10:15 am – 11:30 am

Title: Tank inspections and Maintenance

Hours Requested: 1.25

Speaker: Jay Hoffman, Wet/Dry Tank Inspections

Topic: This presentation will focus on tank inspection and tank maintenance. Inspection regulations and safety will be reviewed. The participants will review a better understanding of state and federal regs governing their tanks as well as information on what they need in way of inspections.

Lunch 11:30 am – 12:30 pm

12:30 pm – 1:30 pm

Title: Chemical Feed Pump O & M

Hours Requested: 1.0

Speaker: Jason McGee, ADC Chemical

Topic: The presentation will focus on feed pump Installation, Maintenance, proper Operation and Trouble Shooting. The participants some have a better understanding of the overall operations and maintenance of chemical feed pumps.

1:45 pm – 2:45 pm

Title: Pump Station O & M

Hours Requested: 1.0

Speaker: Steve Jones

Topic: This presentation will focus on the proper O & M of pump station

2:45 pm – 3:30 pm

Title: Wrap up & Review

Hours Requested: 0.75

Speaker: Gary Russ, Russ, Inc.

Topic: A review of the topics covered.

Speakers Credentials

Brandon Marcum

Brandon is a leading knowledge provider in Energy Services, assisting clients with energy efficiency and business profitability. In his 17 year professional career, Brandon has been responsible for leading his clients through over \$250M investments with a net financial return of over \$425 M. He has expertise in WWTP, WTP, CHP, building HVAC and envelopes making him an irreplaceable extension to his client's team. Brandon is an ME, CEM, CSDP, CGD and CEPP.

Anthony Wright

Anthony works in Energy Services and assists public agencies to modernize building facilities and improve energy efficiency through Performance Contracting. Prior to working at Harshaw Trane, Anthony served with the Kentucky League of Cities where he worked with cities across Kentucky in the areas of Information Technology, Finance and Municipal Bonding, Affordable and Public Housing and Community Development. Anthony has a B.S.E. in Mechanical Engineering from the University of Michigan. In his 5 year career with Harshaw Trane, Anthony has worked on 8 performance contracts, with several more under development, focusing on municipal governments.

Steven Jones

Steven Jones P.E., a partner with Water Management Services, LLC, has been working in the municipal water and wastewater industry for the past 15 years. Steven graduated from the civil and environmental engineering program at Tennessee Technological University in 2003. While attending college, Steven worked as a water treatment plant operator, which has provided valuable insight into the operation and design of treatment facilities. Since joining Water Management Services, he has focused on treatment plant design and regulatory compliance issues for water and wastewater systems. A major component of this has been to develop strategies for utilizing onsite treatability studies and pilot testing protocols to evaluate treatment practices and processes prior to making capital investments to improve facilities.

Gary Russ

Gary has worked in the water and wastewater field for 32 years and holds a Class IV water treatment, a class IV distribution, a class III wastewater treatment, and a class III collection license. Gary has owned and operated Russ, Inc. for 22 years. Gary currently serves as superintendent for Greenville Utilities as well as running Russ, Inc.

Mark DeMoss

Mark DeMoss – B.S. Agribusiness – Western KY University

30 years with McCoy & McCoy – 7 years (1986 – 1993) as Coal Laboratory Analyst / Supervisor / 15 years (1994 – 2008) as Sales / Customer Service / 8 years (2009 – Present) as Safe Drinking Water Program Coordinator

Syd Tate

Syd Tate – B. S. Environmental Resources w/emphasis on Wildlife Management – Eastern KY University

26 years with McCoy & McCoy – Sr. Environmental Technician 1990 - 1991 / Field Services Corporate Manager 1991 – 2000 / Coal Mine Water Project Manager 2000 – Present / Previously certified wastewater operator (Class II)

Jeff Warren

Account Manager Mid-West, KY, TN, AR, MS, LS

STANLEY Hydraulic Tools

Last 5 years with Stanley Black & Decker

17 year with Matweld Hydraulic Tools

Mark Vandiver

Mark Vandiver is the Manager of Market Development for Chemtrac, Inc. Mark's responsibilities include new product trials and development, discovering new product applications, and evaluations of test protocols and procedures. Mark has thirty years of experience in water and wastewater treatment with both municipal and industrial applications. Mark holds a BS degree in Chemistry from the University of Georgia and a MDIV from the New Orleans Baptist Theological Seminary. Mark's previous employers include Con-Agra, The Coca-Cola Company, and AquaSummit Solutions.

Jay Hoffman

Mr. Hoffman is the Vice President of Operations and Founder of Wet or Dry Inspection & Consulting Services, Inc. A Third- Party inspection firm. Founded in 1993 to fill a need for truly unbiased inspection and consulting services to the coatings industry that has no vested interest in repairs, coatings applicators, or coatings manufactures.

Mr. Hoffman teaches continuing education courses designed for water & wastewater professionals in several states. That deal with water distribution, maintenance of steel, concrete and glass lined storage tanks, mixing of water in storage tanks to maintain water quality and short circuit freezing. He has delivered technical papers at meetings of professional organizations such as Kentucky/Tennessee AWWA, Kentucky Rural Water Association, Kentucky Water and Wastewater Operators Association, Indiana Rural Water Association.....

Currently serving as a voting member of the American Water Works Association (AWWA)

D 101, Standard for the Inspection, Repair of Water Storage Tanks.

Ken Jessee

Ken Jessee is the Vice President of Control Systems for Ricks Electric. Ken has more than 20 years of experience in systems automation design and programming. He has a Master's Degree in Telecommunications Systems Management with a background in Telecommunications and Network infrastructure. Ken handles the development of PLC logic, HMI graphics, Network Integration, and Sequel Server reporting.

Jackie Logsdon

Jackie Logsdon is a 1999 graduate of the University of Kentucky with a Bachelor of Science Degree in Biology. She began her career with the Division of Water in 2000 as an Environmental Inspector with an emphasis in drinking water. Since 2005, Jackie has been an Environmental Scientist with Drinking Water Technical Assistance. Primary job duties include providing drinking water technical assistance and training to drinking water systems on a variety of topics including treatment, regulations, and data tracking tools. Jackie is also Kentucky's coordinator for EPA's Area Wide Optimization Program. She works from the Madisonville Regional Office and provides technical assistance to the Madisonville and Paducah regions.

Jason McGee

Jason McGee

American Development Corporation

- Grade IV Water Treatment Operator
- Grade II Distribution Operator
- Technical Assistance/ Sales Manager at ADC since 2005

Water/Wastewater School 2018

March 27 & 28, 2018

Agenda

Day 1

7:45 - 8:00	Registration
8:00 – 9:00	Gary Russ – Operator Ethics
9:00 – 10:00	Jackie Logsdon, DOW – Madisonville DOW Update
10:00 – 10:15	Break
10:15 – 11:30	Jeff Warren – Stanley Tools – Hydraulic Tools
11:30 – 12:30	Lunch – On your own
12:30 – 1:30	Ken Jessee, Rick's Elec. – Scada systems
1:30 – 1:45	Break
1:45 – 2:45	Harshaw Trane, Brandon Marcum, Anthony Wright
2:45 – 3:30	Review - Gary Russ, Russ, Inc.

Day 2

7:45 - 8:00	Registration
8:00 – 9:00	McCoy & McCoy
9:00 – 10:00	C I Thornburg – Mark Vandier – Chemical Feed control Systems
10:00 – 10:15	Break
10:15 – 11:30	Wet/Dry Jay Hoffman - Tank Inspections and Tank Maintenance
11:30 – 12:30	Lunch – On your own
12:30 – 1:30	ADC – Jason – Chemical Feed pumps O & M
1:30 – 1:45	Break
1:45 – 2:45	Water Management Services – Steven Jones – Pump Station O& M
2:45 – 3:30	Wrap – Up & Review - Gary Russ, Russ, Inc.



Archie Fugate, Jr.
SDWA Project Manager

Serve as representative, project manager, and customer liaison between clients and McCoy and McCoy Laboratories, Inc.

Education

Louisville Presbyterian Theological Seminary, Louisville, KY, May 2008
Master of Divinity

University of Pikeville, Pikeville, KY, May 1980
Bachelor of Science, Major: Biology, Minor: Chemistry

Professional Experience

Project Manager, McCoy & McCoy Laboratories, Inc.

2017-Present

Serve as corporate representative and customer liaison between clients and McCoy and McCoy Laboratories, Inc. Report client data to state and federal agencies for compliance. Assist clients in filling out regulatory forms and paperwork. Conduct specialized training on sampling techniques and maintenance of SDWA mandates. Attend professional water and wastewater conferences.

Safe Drinking Water Coordinator, McCoy & McCoy Laboratories, Inc. Madisonville, KY

2000-2005

Performed customer service requests and addressed customer questions in a prompt and professional manner. Scheduled SDWA sampling for all MMLI laboratory locations to assure client samples were collected in compliance with regulatory stipulations. Conduct specialized training on sampling techniques and maintenance of SDWA mandates. Served as Microbiological manager for MMLI. Overall all laboratory regulatory audits and analyst training. Provided final review and validation of SDWA analytical testing data.

Quality Control Officer, McCoy & McCoy Laboratories, Inc. Madisonville, KY

1996-2000

Managed quality system compliance and administration. Reported Performance Testing program data to state and federal accrediting bodies. Maintained Standard Operating Procedures. Communicated with management regarding departmental proficiency. Performed routine internal audits on various areas of the laboratory. Attended professional quality system and environmental monitoring conferences.

Laboratory Manager, McCoy & McCoy Laboratories, Inc. Pikeville, KY

1981-1996

Managed a state certified drinking water for both chemistry and microbiology testing. Management also included waste water laboratory analysis. The waste water laboratory was

certified in Virginia and West Virginia; Kentucky did not have a certification program at this time. Assisted with route scheduling, sample collection and sample pick up from clients including industries, public and private utilities, and mining operations. Performed customer service requests and addressed customer questions in a prompt and professional manner. Conducted various organic, inorganic and microbiological analytical procedures. Performed supervisor responsibilities including management, training, and scheduling for the laboratory staff and the field services group. Wrote Standard Operating Procedures for each training section. Assisted clients in maintaining compliance for state and federal regulations.

Professional Associations

- Kentucky Water and Wastewater Operators Association