

***Russ, Inc.***

80 Parkway Lane  
Central City, KY 42330

***Water and Wastewater Consulting***

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

**RECEIVED**

**FEB 28 2017**

**Public Service  
Commission**

February 23, 2017

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

Dear Mr. Derouen,

I have enclosed 10 copies plus the original of a water training class application I am sponsoring to be held March 28 & 29, 2017.

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](mailto:gary.russ@russinc.com).

Sincerely,



Gary Russ

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DEP ACCE Revised 8-2009

<p><b>Mail to:</b></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 <b>FEB 28 2017</b>          Department for Environmental Protection          Public Service  <b>Application for Approval of Courses for          Continuing Education Credit</b></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.

Key Contact Person:

Name and Title: Gary Russ, Trainer

Address: 80 Parkway Lane

City, State and Zip: Central City, Ky 42330

Phone and Fax: 270-754-3359, 270-543-3734 (cell)

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: Muhlenberg Co. Ag Center, Greenville KY

C. Cost per Student or Group: \$ Free

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

- |   |                                     |                                      |   |
|---|-------------------------------------|--------------------------------------|---|
| <input checked="" type="checkbox"/> Classroom | <input type="checkbox"/> Web/Online | <input type="checkbox"/> Laboratory  | <input type="checkbox"/> Exhibition     |
| <input type="checkbox"/> Field                | <input type="checkbox"/> CD-ROM     | <input type="checkbox"/> Video/Audio | <input type="checkbox"/> Correspondence |
| <input type="checkbox"/> Other (Explain)      | _____                               |                                      |   |



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

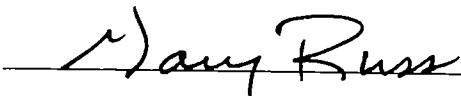
- A.  Course Learning Objectives
- B.  Criteria for Successful Completion by Operators
- C.  Agenda (timed with instructors identified and brief description of topics)
- D.  Credentials for All Instructors

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 2/22/17Signature and Date:  2/22/17

**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: Division of Water Update

Hours Requested: 1.0

Speaker: Randy Thomas, DOW - Madisonville

Topic: This presentation will focus on upcoming issue facing the water and wastewater industry.

9:00 am – 10:00 am

Title: Hydraulic Tools and Their Application

Hours Requested: 1.0

Speaker: Jeff Warren, Stanley Hydraulics

Topic: The speaker will display a variety of hydraulic tools and their use in the water and wastewater field

10:15 am – 11:30 am

Title: Vertical Turbine Pumps 101

Hours Requested: 1.25

Speaker: Layne – Mike Green, Trenchless Pipe Line

Topic: This presentation will focus on trenchless piping technologies.

**Lunch 11:30 am – 12:30 pm**

12:30 pm – 1:30 pm

Title: Vertical Turbine Pumps

Hour Requested: 1.0

Speaker: Layne – Emily Miesner, Well & Pump Maintenance

Topic: The speaker will address the basic O & M for wells and pumps

1:45 pm – 2:45 pm

Title: Performance Contracts

Hours Requested: 1.0

Speaker: Harshaw Trane

Topic: This presentation looks at how a system may benefit from performance based contracts.

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: Pentair V – Series Grinder Pumps

Hours Requested: 1.0

Speaker: Paul Ihnatiuk, Straeffler Pump

Topic: This presentation will cover the operations of grinder pumps.

9:00 am – 10:00 am

Title: Hydraulic Models

Hours Requested: 1.0

Speaker: Gregory Hurbert, Straeffler Pump

Topic: This presentation will look at how Hydraulic models can save money and prevent emergencies.

10:15 am – 11:30 am

Title: Pilot Studies

Hours Requested: 1.25

Speaker: Water Management

Topic: This presentation will look at the importance of pilot studies in determining proper operations.

**Lunch 11:30 am – 12:30 pm**

12:30 pm – 1:30 pm

Title: Lab Procedures

Hours Requested: 1.0

Speaker: Mark DeMoss, Syd Tate, McCoy & McCoy

Topic: This presentation will cover laboratory procedures.

1:45 pm – 2:45 pm

Title: Floating Structures

Hours Requested: 1.0

Speaker: Justin Reed , Kerco

Topic: This presentation will look at Floating structures such as water intakes.

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**

### **Randy Thomas**

Randy has a Mine Engineering degree from UK. Randy is currently employed as the Environmental Control Supervisor for the Madisonville office of the Department for Environmental Protection, for the past 7 ½ years. He has been responsible for safety and environmental compliance for various coal companies prior to my state employment for 33 years. He has had the responsibility for KPDES and NPDES permits as well as compliance with both the Safe Drinking Water Act and the Clean water Act. He is a Certified Kentucky Mine Educator and has held a KY teaching certificate. For the past 7 1/2 years his primary responsibility is for compliance and complaint investigation in 12 counties in Kentucky. He has been in charge of the Madisonville Office of the Kentucky Division of Water, during which time he has performed numerous inspections and investigations.

### **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.

### **Mike Green**

Mike Green is a graduate of Ohio University and has worked in the construction infrastructure industry for over 35 years. He is a Life Member of the National AWWA and active in both KY-TN AWWA and WEA organizations. He is currently Director of Business Development for Layne Inliner, a leader in the trenchless Cured-In-Place-Pipe industry.

### **Emily Miesner**

Emily Miesner, Bachelors of Science in Business Administration from University of Louisville, over 15 years of experience in the water industry. A certificate of proficiency and merit in vertical turbine pumps from Gould's Water Technology School. And an associate member 10+ years for KRWA, AWWA and the KWWOA.

### **Gary Russ**

Gary has worked in the water and wastewater file 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.

### **Gregory (AJ) Hubert**

Mr. Hubert's experience comprises a wide range of project design and inspection activities. AJ completed two internships with the Indiana Department of Transportation. His tenure at CEI started as a construction inspector. While working under this capacity, AJ also assisted the design teams with various field work related tasks. For the past 5 years, AJ has held a designer position at CEI, working to complete the fieldwork, drafting, design, specifications, permitting and construction engineering/coordination tasks for numerous wastewater projects. AJ also plays a vital part in CEI's hydraulic modeling team, completing tasks from meter installation, data downloads and analysis, to building and analysis of the hydraulic models. Furthermore, AJ has developed the skills for the implementation of Geographic Information Systems (GIS) to use for project planning, modeling and mapping purposes.

### **Brenton Hasenour**

Brenton has experience playing key roles in a variety of different environmental engineering disciplines. He has acted as a design and construction engineer on water and sanitary sewer system improvement projects, successfully completed the development of multiple hydraulic computer models, and generated Geographical Information Systems (GIS) for utilities. His responsibilities include preliminary engineering report preparation, hydraulic computer modeling, design calculations, and developing plans and specifications for sanitary, combined, and storm sewer systems. Brenton also has experience with permitting, land surveying, field work, and construction inspection/engineering.

### **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)

### **Paul Ihnatiuk**

Lewis University, BS – Business Administration

Lewis University, MBA – Project Management

Paul has worked in 4 different roles at Pentair spanning just over 5 years. He started as a Customer Service Representative, also known as order entry, in Pentair's North Aurora plant and was promoted to Application Engineer in the first year. In that role he was responsible for reviewing engineering specifications and completing proposals for packaged fire systems. In addition, Paul hosted international visitors who visited the plant for factory tours and pump witness testing.

After 2 years in A.E., Hydromatic offered him an outside sales position based in the Chicago land region where he focused on promoting the retail/SSE pump lines to local contractors and construction companies.

Paul obtained his current position, Engineered Sales Manager, in August 2015. Currently he is the main point of contact and representative for over 30 Hydromatic and Myers distributors spanning 7 states.

### **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

## **Justin Reed**

Justin Reed is the President of Kerco, Incorporated in Madisonville, KY. Kerco is involved in the distribution of piping systems, pumps, valves, & fittings, to the Industrial, Mining, Municipal, & Utilities markets.

Justin graduated from Western Kentucky University in 2008 & went on to construction project management with Houchens Industries. Since 2010, he has worked with Kerco in shop fabrication, project management, sales, & engineering. Successful projects include pumping & piping projects, as well as the commissioning of two large plate & frame filter press projects for the handling of coal slurry wastewater. Pumping projects include specification of pumps, valves, & HDPE piping systems. Kerco focuses on Vertical Turbine Pumps & float systems with all associated valving & HDPE pipe systems for water or wastewater transmission & delivery.

# Water/Wastewater School 2017

March 28 & 29, 2017

## Agenda

### Day 1

7:45 - 8:00	Registration
8:00 – 9:00	Randy Thomas, DOW - Madisonville
9:00 – 10:00	G & C Supply – Hydraulic tools
10:00 – 10:15	Break
10:15 – 11:30	Layne Pump - Mike Green
11:30 – 12:30	Lunch
12:30 – 1:30	Layne Pump – Emily Miesner
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 – 10:00	K & M Pumps (Staeffer Pump) - Brenton Hasenour , Paul Ihnatiuk
10:00 – 10:15	Break
10:15 – 11:30	Water Management Services – Steven Jones
11:30 – 12:30	Lunch
12:30 – 1:30	McCoy & McCoy – Mark DeMoss, Syd Tate
1:30 – 1:45	Break
1:45 – 2:45	Kerco – Justin Reed
2:45 – 3:30	Wrap – Up & Review - Gary Russ, Russ, Inc.