



**WEST VIRGINIA
RURAL WATER
ASSOCIATION**

Every drop counts.

MOUNTAIN STATE WATER LINE

A Publication of the West Virginia Rural Water Association

Summer 2022

In This Issue

- ◆ **Operators Remembered**
- ◆ **Water Valves in the Distribution System**
- ◆ **System Safety Practices**

WEST VIRGINIA RURAL WATER ASSOCIATION



Summer 2022

Articles and Features



Charleston, WV
Photo by: Amanda McGinnis

BOARD OF DIRECTORS

PRESIDENT

Eric Bennett, Region III

VICE-PRESIDENT

Brian Shade, Region II

SECRETARY-TREASURER

Porter Robertson, Region VI

MEMBERS

Alan Haught, National Director

Michael McNulty, Region I

Mary Seymour, Region I

Curtis Keller, Region II

A. J. Allen, Region III

Jason Myers, Region IV

Valli Davis, Region IV

James Evers, Region V

Dina Foster, Region V

Barry Milam, Region, VI

STAFF

Todd Grinstead, Executive Director

Janie Witt, Office Manager

Amanda McGinnis, Membership Coordinator

Lamar Godbey, EPA & Information Specialist

Jerry Dotson, Source Water Specialist

Jim Johnson, Wastewater Technician

Beth Fletcher, DEP Wastewater Technician

Mike Hersman, Circuit Rider

Bertis McCarty, Circuit Rider

Heather Somers, 2% HELP Training Specialist

Shane Altizer, Circuit Rider

Danny Vestal, ARC Specialist

Cory Weese, Apprenticeship Coordinator

Mountain State Water Line is published by:

WVRWA, 100 Young Street,

Scott Depot, WV 25560

Phone: (304) 201-1689 1-800-339-4513

Fax: (304) 201-1694 <http://www.wvrwa.org>

2	President's Message
5	From Your Executive Director
7	Operators Remembered
9	Monitoring Frequency and Sample Location in Finished Water Storage
	Facilities
11	Water Valves in the Distribution System
13	System Safety Practices
17	Sustainable Utility Management Program
19	Funding Sourcewater Protection
23	Storage Tank Inspections
35	Sudoku Puzzle
47	Membership



NRWA

West Virginia Rural Water Association, WVRWA, is a non-profit organization of rural and small publicly owned water and wastewater systems. The vision of the WVRWA is to be the recognized leader and respected voice for water and wastewater systems. The mission or purpose of WVRWA is to provide and promote the highest level of utility service, technical assistance, training, and advocacy for all West Virginia water and wastewater systems.

WVRWA is affiliated with the National Rural Water Association.



President's Message

It appears that we are going to experience another hot summer, but I prefer that over a long, cold winter. By now, you should have received a pamphlet for this year's annual conference, which has been rebranded "Water on the Mountain." My appreciation goes out to Todd Grinstead and the WVRWA staff for their hard work and innovative ideas to refresh the conference and make it an event that not only provides our members with much needed educational opportunities, but also provides an excellent environment to enjoy ourselves while interacting with our peers, regulators, and vendors from across our great State. I hope everyone has an opportunity to come and experience Water on the Mountain and I look forward to seeing everyone there.

I am sure that we are all experiencing the adverse impacts of the unprecedented inflationary in-

creases in the cost of every product that we use on a daily basis to operate and maintain the water and sanitary sewer systems with which we are entrusted. Not only do we have to pay significantly more for the product, but we also have to wait an extended period of time for them to be delivered. I have heard many different reasons for why this is happening and I am not sure of the validity of any of them. But it does not change the fact that due to these issues, our ability to effectively operate and maintain our water and sewer systems is being impacted. Unlike sales taxes, our revenue does not increase with the cost of goods and services, so we must continue to provide the same level of quality service with a diminished buying power or you are forced to request a rate increase that I suspect you would not have adequate financial data to justify the actual increase needed. We look

forward to working with our legislators and the WVPSA for possible financial solutions to this problem

I would also like to express my appreciation to Chairman Lane and the WVPSA for their recent release of General Orders 186.38 and 188.43 making the interest paid on deposits zero. This action following this year's legislative action that only required interest to be paid on deposits that had been retained for 18 months or longer makes it much easier for utilities to track and refund deposits when interest is not a concern. And, as we all know, the interest paid in recent years in many cases may have been higher than that earned on the actual cash deposits.

Again, I look forward to seeing everyone at this year's conference. And, you can look forward to exciting news about future conferences.

Sincerely,
Eric Bennett ■

The Publisher reserves the right to reject or edit any manuscripts received for publication. Statements of fact and opinion are the responsibility of the authors alone and do not imply an opinion on the part of the West Virginia Rural Water Association.

WVRWA has the right to reject any advertising deemed unsuitable for the West Virginia Rural Water Association publication. Acceptance of advertising by the West Virginia Rural Water Association does not constitute endorsement of the advertiser, its products or services, nor does West Virginia Rural Water Association magazine make any claims or guarantees as to the accuracy or validity of the advertiser's offer.



THE RIGHT VALVES AND HYDRANTS. THE RIGHT WAY.

At AMERICAN Flow Control, we manufacture our products one way — the right way. We don't cut corners: we don't make excuses. We ship a product you know you can count on — hydrants, valves, our GIS Valve and Hydrant inspector system and the Captivater locking device. We make our products the right way, because that's the AMERICAN way.



Online Training Classes

WVRWA has teamed up with SunCoast Learning Systems, Inc. to bring online computer-based water and wastewater training to operators throughout the state. Through WVRWA Online Learning, you now have the freedom to learn from home, the office, or your local library. Training can be accessed directly from your personal computer using your internet connection.

Water and wastewater operators registering for e-Learning courses will have a menu of courses from which to choose. We are constantly adding and updating courseware to reflect changing industry needs and regulations. For more information, you can visit www.wvrwa.org or contact the office at 800-339-4513. Some of the available courses are shown below.

Course	CEH Hours	Approved for	Price
Drinking Water Mathematics	10	Water/WW	\$180
Surface Water Treatment	10	Water	\$180
Basic Environmental Chemistry	10	Water/WW	\$180
Small Water Systems I	5	Water	\$100
Chlorinator Systems & Chemical Handling	10	Water/WW	\$180
Water Transmission and Distribution	10	Water	\$180
Practical Personnel Management	7	Water/WW	\$125
Water Utility Calculations	10	Water	\$180
Pumps & Motor Maintenance	10	Water/WW	\$180



Experience is Our Natural Resource

Just as water is a vital natural resource, the attorneys of Jackson Kelly PLLC are a vital resource to county governments, municipalities and public service districts across West Virginia. Jackson Kelly's attorneys have a wide range of legal experience serving local government agencies. From infrastructure expansion to economic development, the Firm's attorneys structure solutions to finance West Virginia's critical projects.

Jackson Kelly attorneys have over **60 years of collective experience** in the area of public finance.

The Firm's attorneys **routinely serve** as bond counsel, underwriter's counsel, issuer's counsel, trustee's counsel, lender's counsel and Public Service Commission counsel.

Jackson Kelly attorneys hold membership in the National Association of Bond Lawyers and have been **recognized by publications** such as Woodward/White's *The Best Lawyers in America*[®], Chambers USA and Super Lawyers.

Samme L. Gee, Responsible Attorney
304-340-1318 • www.jacksonkelly.com



COLORADO • INDIANA • KENTUCKY • OHIO • PENNSYLVANIA • WASHINGTON, D.C. • WEST VIRGINIA

The rules of the Kentucky Supreme Court require the following statement: This is an advertisement. Jackson Kelly PLLC has a wholly-owned subsidiary law firm, JK Minerals Law Group PLLC.



By Todd Grinstead, Executive Director

From Your Executive Director

WVRWA Members Services

Your association provides member water and wastewater systems with a variety of services to assist with practical operation and management solutions designed specifically to meet the needs of small and rural communities in West Virginia.

Here is a brief overview of services available free to WVRWA Members.

Membership Services:

- Amanda McGinnis, 304-201-1689

Provides member support with all aspects of association services and training scheduling.

Water Circuit Riders:

- Mike Hersman, Northwestern, WV, 304-531-9881
- Bertis McCarty, Northeastern, WV, 304-695-3719
- Shane Altizer, Southern, WV, 304-660-8644
- Charlie Cooper, as needed throughout the state, 681-318-8679

Identify and evaluating affordable solutions to water system problems in rural WV. Assist systems to rapidly respond and recover after natural and man-made emergencies. Protecting the environment and public health by improving treatment processes. Improving financial sustainability through better management practices, more efficient operations, and better maintained system components. Assistance provided for all aspects of water utility management, finance, op-

eration and maintenance, regulatory compliance, energy efficiency, and loan/grant applications. Enhance compliance with federal regulations

Wastewater Circuit Rider:

- Jim Johnson, 304-704-3830
- Identify and evaluating affordable solutions to wastewater system problems in rural WV. Assist systems to rapidly respond and recover after natural and man-made emergencies. Protecting the environment and public health by improving treatment processes. Improving financial sustainability through better management practices, more efficient operations, and better maintained system components. Assistance provided for all aspects of wastewater utility management, finance, operation and maintenance, regulatory compliance, energy efficiency, and loan/grant applications. Enhance compliance with federal regulations.

Wastewater Technician:

- Elizabeth Fletcher, 304-771-4081

Collaborates with representatives of struggling wastewater systems to aid them in overcoming their challenges with a focus on bringing wastewater systems into compliance with Department of Environmental Protection requirements.

EPA Wastewater Quality Action Specialist:

- Shawn Strain, 304-531-4304
- Develop Sustainable Manage-

ment Action Plans for publicly owned wastewater systems.

EPA Water Training and Technical Assistance:

- Lester Pritt, 304-704-3856
 - Lamar Godbey, 304-633-9980
- Provide training and technical assistance to public water systems serving less than 10,000 population.

WV Hours for Education and Learning Program (H.E.L.P.):

- Heather Somers, 681-298-8353
- Provides training and education for the purpose of water operator certification.

Workforce Development:

- Cory Weese, 304-704-0507
- Provide training and on-the-job learning for the operator Apprenticeship Program.

Source Water Protection:

- Jerry Dotson, 304-483-3497
- Assist public water systems to reduce or eliminate potential risk to drinking water supplies through the development of Source Water Protection Plans.

Appalachian Regional Commission (ARC) Water and Wastewater **Circuit Rider:**

- Danny Vestal, 304-667-7659

Identify and evaluate affordable solutions to water and wastewater system problems in rural WV, focusing on distressed counties. Help improve financial sustainability through better management practices, more efficient operations, and better maintained system components. ■



Chuck Breidenbach

chuck.breidenbach@freymunicipalsoftware.com
☎(859)441-6566 ☐(513)305-8474
40 N. GRAND AVE, SUITE 303
FORT THOMAS, KY 41075

www.freymunicipalsoftware.com
Fund Accounting ~ Payroll ~ Utility Billing



Water Loss Management | Remote Disconnect
Itron AMR / AMI | Ultrasonic Water Meters
Utility Billing & Financial Software

Will Taylor, Region Manager
Mobile: (615) 388-4877
Email: wilt@united-systems.com
Toll Free 1.800.455.3293 | www.united-systems.com



SSCi | **SEQUOYAH SOFTWARE & CONSULTING, INC**

Utility Billing Software
for

Towns & Water Companies
Easy to Learn - Easy to Use

john@sequoyahsoftware.net

314.210.8922 or 877.850.8991 www.SSCiSoftware.com



310 Clay Ave. 5793 W Veterans Memorial Hwy
P.O. Box 897 Suite 102
Mars, PA 16046 Bridgeport WV 26330
Phone: 724-625-4260 Phone: 304-842-8611
Fax: 724-625-4227 Fax: 304-842-8684

ROB TROMBOLD

Distributors & Representatives
Grinder Pumps -- Sewage Pumps -- Telemetry
Water Booster Pumps -- Fire Pumps

E-mail: rtrombold@tepco.io
Web: www.tepco.io



CLINTON "CJ" FOWLER

Territory Sales Representative
clinton.fowler@mcwaneductile.com
330-260-9292

2266 South 6th Street
Coshocton, OH 43812
mcwaneductile.com



Since 1952

John P. Place, Inc.
90 Clairton Boulevard
Pittsburgh, Pennsylvania 15236

304/343-2607
Fax 412/655-1109
www.Johnplaceinc.com

*Process and Pumping Solutions
for Water and Wastewater*

ProSource Water Products, Ltd.

14680 Pleasant Valley - Chillicothe, Oh 45601
Phone: 888-772-5478 Cell: 614-306-3798

Terry E. Hicks
Sales Manager



Email: THicks@horizonview.net

State Equipment, Inc.

Cross Lanes, WV
Beaver, WV
Parkersburg, WV
Bridgeport, WV
Ashland, KY

Phone: 877-821-5322
Fax: 304-776-4409
Email: INFO@STATEEQUIPMENT.COM
www.stateequipment.com





Operators Remembered

Fredrick “Freddy” Lan Belcher of Man, WV. Fredrick “Freddy” Lan Belcher, 63, went to be with his Lord and Savior Jesus Christ on Friday, January 21, 2022, leaving from Logan Regional Medical Center after a short illness.



He was born on June 27, 1958, at Logan, the son of the late Homer and Dorothy Ethel (Crosby) Belcher. In addition to his parents, he was preceded in death by two brothers, Gary Belcher and Billy Joe Belcher. Freddy was a 1976 graduate of Man High School. After graduation, he went to work at the Piggly Wiggly at Man. In 1981, Freddy began his career in the water plant industry ending his career as a water plant operator in October 2021. Freddie went to work for the City of Man as a Water Treatment Plant Operator in January of 1985 through October of 2008, and at Logan County PSD in October 2008 through December of 2021. He also worked for Mountain Water Works. He met and married the love of his life Florence Vance in 1983. Their union was blessed with a baby boy in 1993 that they

named Fredrick Matthew “Matt” Belcher. Freddy was a good provider, a wonderful husband, and a devoted father, but there was one thing missing from his life. In February 1998, Freddy accepted the Lord Jesus Christ as his personal Savior and became a faithful member of the Sandlick Freewill Baptist Church. Freddy had a great sense of humor and often remarked when someone had a minor injury, “It will be alright when it quits hurtin.” He will be deeply missed by those who loved him. Those left to cherish his memory are his wife of 40 years, Florence (Vance) Belcher; his son, Fredrick Matthew “Matt” Belcher and his wife McKinzey Belcher of Man; his brother, Jeff Belcher of TN; his extended family, church family, and all of the wonderful friends he made along the way.

Russell Earl Hatfield, Sr. 66, of Nettie, WV passed away on Thursday, January 27, 2022 at his home. Born February 4, 1955 at Iaeger, WV, he was a son of the late Virgil and Geraldine Kennedy Hatfield. He was also preceded in death by his brother, Ernie Hatfield and by his sister, Barbara Blackburn. He



attended the Pentecostal Church of Jesus Crist at Canvas, was a retired water plant operator for the Nettie Leivasy PSD, and was a former coal miner in Mingo County for Coal Mountain Coal Company. Russell worked for Nettie Leivasy PSD from January 1, 1998 through January 31, 2020 and served as their Chief Operator. Russell’s love for the drinking water industry was shown through his diligence to constantly provide safe drinking water for all his customers. Survivors include his wife of 47 years, Rhonda Hatfield; two daughters, Latrissia Faye (Billy) Cook and Joanne Marie Hatfield (Russ Dann); one son, Russell Earl (Crystal) Hatfield, Jr.; eight grandchildren, Brandon, Brianna, Braylon, Braidon, Tyler, Trey, Aiden, and Kelsey; four siblings, Gail Ball, Carolyn Lester, Virgil Hatfield, Jr., and Pat Hatfield; and a host of other family and friends.

Franklin Lee White, 70, of Richwood, passed away on April 15, 2022 at Summersville Regional Medical Center, surrounded by family, after a long battle with cancer.



Frank was born on December 28, 1951 to the late Oscar Edward

White and Bertha Ann Ramsey White. He was raised in Camden-On-Gauley, and was a loving husband, father, grandfather, great grandfather, and brother. Frank was a United States Navy veteran who worked hard over the years at various water treatment plants, and was also a certified wastewater operator. He worked for the City of Parsons as their Chief Operator over the water and wastewater treatment facilities from August of 2008 through December of 2013, worked for the Town of Richwood for 13 years, worked for the towns of Rainelle, Fayetteville, and Ronceverte,

and worked at Flatwoods Canoe Run PSD from March 27, 2013 to April 15, 2022. He was kind and generous to a fault and would help anyone who asked. Survivors include his wife of 50 years, Nancy of Richwood, WV; children, Kevin (Liz) Bennett of Richwood, WV, and Sarah Roop (Ron Hammons) of Richwood, WV; grandchildren, Heather (Scott) Jackson of Mocksville, NC, Nicholas (Haley) Skaggs of Ashland, KY, Franklin (Neka) Bennett of Richwood, WV, Danielle Skaggs (Kaite Lipscomb) of Parkersburg, WV, Brenna Bennett (Brock Moore)

of Craigsville, WV, Kage Duke (Shelby Jackson) of Richwood, WV, Isabella Roop of Richwood, WV and Hunter Bennett of Richwood, WV; seven great-grandchildren and many nieces and nephews; siblings Icy White, James White, Bill (Billie) White, Juanita Fowler (Dave Bragg), Carol Short, Gary (Donnah) White, and Alma Sue Palmieri; and mother-in-law, Goldie Webb. These Operators will be well remembered and very missed and I count it an honor to have known them!! If I left anything out, please accept my sincerest apologies!! ■

WWW.WVRWA.ORG



- ◆ Leak Detectors
- ◆ GIS & Asset Mgt. Apps
- ◆ GPS/GNSS Receivers
- ◆ Ruggedized Tablets
- ◆ Pressure Loggers
- ◆ Pipe Locators
- ◆ Ultrasonic Meters
- ◆ Metering Accessories
- ◆ Waterworks Tools



64seconds



water@int
LNC





Utility Technologies, LLC | 513-488-1940 | sales@utility.biz | www.utility.biz



Monitoring Frequency and Sample Location in Finished Water Storage Facilities

Utilities should monitor water quality parameters in their finished water storage facilities. Monitoring water quality in storage tanks enables the utility to meet regulatory and non-regulatory compliance needs and also enhance the operation of their storage facility by knowing how a particular storage facility affects water quality.

Once a utility has determined what parameters to monitor and the method of collection, two questions remain: Where should samples be collected? How often should samples be collected? Collecting one sample per year is not enough, and continuously monitoring all parameters is expensive and unnecessary. A program that takes all necessary parameters into account and schedules sampling when needed to provide adequate information is a conceptual starting point. A recommended approach to answering these questions is to further break down sampling needs into two categories of routine sampling and diagnostic sampling. Routine sampling can be defined as monitoring of parameters on a regular (continuous, weekly, monthly) basis and may include regulatory and operating parameters. Diagnostic sampling is defined as special purpose monitoring to docu-

ment a condition or to determine the cause of a problem. Routine monitoring is used to document general water quality conditions, whereas, diagnostic monitoring is often more facility specific.

When applying this type of two-tiered approach to a storage facility, ideally, diagnostic monitoring would be performed first. This would provide baseline information on how the storage facility is affecting water quality and would identify where in the facility problems may be occurring. If the facility is performing well, routine monitoring can be employed and augmented with diagnostic monitoring as needed. If problems are identified, such as stagnant zones or extended turnover time, then the situation can be rectified and confirmed with diagnostic sampling before moving to a more routine schedule.

Both regulated and nonregulated parameters may be included in diagnostic monitoring. The purpose of diagnostic monitoring is not to meet regulatory monitoring requirements for water quality, but to gather valuable information concerning the impact of the facility and its operation on water quality so that regulatory noncompliance can be avoided. For storage facilities, diagnostic sam-

pling locations may include, but not limited to: inlet to establish a baseline on water quality entering the storage facility; outlet to determine what changes in quality may have occurred during storage. The extreme corners, edges, or other locations where the most stagnant zones are more likely to occur; and multiple depths to help indicate if there are differences vertically. Routine monitoring is normally performed to detect water quality trends during operation that are of regulatory concern. Parameters included are those that are required by regulation or can show variation over a shorter or longer period of time and may be indicative of larger problems. Routine sampling in a storage facility normally requires sampling with greater frequency but fewer locations that can be selected following diagnostic monitoring. Routine sampling sites would likely include: The inlet, to establish a baseline on water quality entering the facility; the outlet, to determine what changes in quality may have occurred during storage; One or more locations internally determined to be “representative” of the water in the facility.

It is important that the operation of all storage facilities be documented before and during monitor-

ing; this is particularly relevant for facilities with common inlets and outlets. Sampling regimes and timing of sampling during a filling and drawing cycle needs to reflect the operation. A single sampling location may fulfill regulatory requirements but does not represent conditions throughout storage. Multiple sample locations will provide valuable information for those attempting to identify the presence or location of water quality problems in the

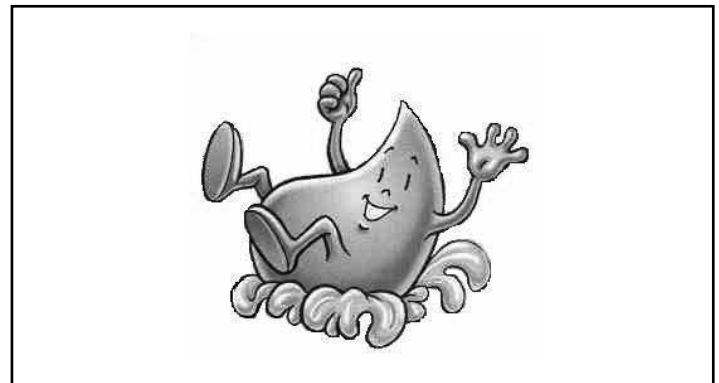
storage facility.

In closing: weekly, monthly, or quarterly samples may prove sufficient to meet current regulations, but may lack the detail necessary to profile the true condition of the stored water or causes for water quality degradation. A properly implemented two tiered sampling program can alert a utility to acute changes in water quality, provide diagnostic information on how and where water quality degradation is occurring,

and determine if operational practices or the facility itself are contributing factors. An effective monitoring schedule is designed with forethought based on water quality, sediment, and biofilm parameters, seasonal temperature variations, use patterns, changes in operations, regulatory requirements, and inspection and cleaning frequencies. A monitoring strategy can be reviewed and modified based on collected data parameters. ■

Winchester, VA
 117 E Piccadilly St.
 Winchester, VA 22601
 540-667-2139

Pennoni
 ENGINEERS, SCIENTISTS, SURVEYORS, & PLANNERS
 www.pennoni.com



Chuck Rockacy

Rockacy and Associates, Inc.

800.836.1011
 434.977.4447
 800.793.8428 - Fax
 434.960.9565 - Mobile
 chuck@rockacy.com

2528 Thrush Road
 Charlottesville, VA 22901

A Specialized Firm Committed to Excellence and Personalized Service for over 40 Years

F. Wayne Hypes, P.E., P.S., President

DUNN ENGINEERS, INC.
 400 SOUTH RUFFNER ROAD, CHARLESTON, WV 25314
 304/342-3436 - FAX 304/342-7823
 EMAIL: dunneng@aol.com
 www.dunnengineers.com

WEST VIRGINIA'S

PREMIER

UTILITY ENGINEER

- Water and Wastewater Treatment Specialists
- Water and Wastewater System - Design/Evaluation
- Storm Water Management
- Operational Assistance/Compliance Issues
- Flow Monitoring/Televised Pipeline Inspection
- Construction Management and Inspection
- Commercial Site Development
- Technical Expert Witness

AMPSTUN
 Utility Billing Software
 888.252.4784

Solutions to your water problems
 Need a booster station? A pump or control? A pump repaired? We've got you covered.

Rentals | Sales | Installations | Repairs
SERVICING WV, OH, KY, AND PA

SERVICEPUMP.COM • 1 (800) 480-7867 • 24/7 SERVICE



Water Valves in the Distribution System

Water Valves, a.k.a. Isolation Valves.

Water Distribution Valves are one of those assets that aren't taken care of properly in just about every system. Not only do they get lost, but, when found, they don't work. Everyone in a distribution system, regardless of how big or small, has had to shut off an area of the water system (more customers) that wasn't near the water leak they were about to repair.



This situation should never happen!

Whether it be a wheel valve in a pit or an underground valve, they should all be exercised or used at least twice a year. A lot of distribution operation specialists tell me "we can't use that valve because it will break, or leak."



That statement is like leaving a fire hydrant for 30 years without turning

it on or off. When you need it because your house is burning down, it won't work.

I found a relevant quote in an article I was reading recently.

"Sufficient valves shall be provided on water mains so that inconvenience and sanitary hazards will be minimized during repairs."

I don't believe you could say it any better than that.

Placing valves efficiently improves the reliability of a water distribution system. I'm a firm believer in the statement, "Your water system can't have too many valves."

One system, while doing a line extension, had valves placed close to every fire hydrant. A marker isn't needed because you can use the fire hydrant as the marker.

Valves should be placed on each side of every stream crossing. If the system doesn't have this, they can put them in when a leak happens at or near the stream.

I've recommended several times to fix a leak with a valve. If the system doesn't have a valve near the leak, just cut the hole out where the leak is and insert a valve in its place. The picture below shows this procedure.

A lot of systems ask me "How far apart should my valves be?"

An engineer in one state explained it as follows. "Valves should be placed at no more than 500-foot intervals in commercial districts and not more than one block or 800-foot intervals in other districts. Where systems serve widely scattered customers and where future development is not expected, the valve spacing should not exceed one mile."

I hope this information helps the distribution systems in the state make better decisions for future valve placement and maintenance schedules. I would personally love to never hear the words again "we can't use that valve because it doesn't work or will leak." ■



Small firm **SERVICE** with Big firm **EXPERTISE**



The world has changed over the past two years, but our commitment to customer service has not.

At E.L. Robinson, we handle each project with personal attention, yet have a wide range of services often found at larger firms. Whether in-person or through video conferencing, our staff will be there to assist you with a project's conception to construction to close out. We may have changed our sense of personal space, but personal service never goes out of fashion.



Engineering • Planning • Landscape Architecture
Construction Services & Surveying • Emergency Management

elrobinsonengineering.com



By Jim Johnson, Wastewater Technician

System Safety Practices

As we enter into the warmer part of the year, my mind cannot help but to think about the safety practices we should be using in the water and wastewater industry. I would just like to take a few minutes to remind everyone to be safe out there. One of the main aspects of safety is to be diligent, pay attention to what is going on, and be aware of your surroundings. Issues such as heat, rain, lightning, hail, bites, and stings can cause a lot of issues, so be alert. I know as we get into spring, summer and even fall, we start to take care of a number of projects that need to be completed. I would just like to remind systems to be safe while you are doing these projects. One of the most important aspects of a safety program is good housekeeping. Keep your work areas clean and orderly. Keep everything picked up and cleaned up. This will make operators less vulnerable to accidents and disease. In my opinion, a clean, orderly, and well maintained work area is a must.

When operators are on the job, be sure to use proper confined

space procedures when they are necessary. Have the confined space entry permits filled out when they are necessary. Have the employee or employees who are entering the confined space on a harness for quick, safe exit if need be. Have the correct number of personnel available to do the job. Make sure to monitor the atmosphere and to get the staff to safety if one of the things being monitored gets out of the safety parameters. Watch the West Virginia Rural Water Association training schedule as Training Specialist Lamar Godbey will be offering some confined space training in many areas of the state soon. When personnel are doing deep digs, make sure to use proper trenching and shoring practices so that the dig is a safe one. If you have a long trench, make sure to have a way of egress, such as a ladder, every 25 feet. Make sure to use shoring, a trench box or sloping and benching to make the trench safe.

In all cases, use proper Personal Protective Equipment(PPE). Eye protection is a must on many jobs, as is hearing protection. When

mowing, operating a weed eater, or operating a chain saw, hearing and eye protection are a must. If you need PPE, use it. If you are in an area with dust, fumes, or chemicals, use the proper respirator for the job. Protect yourself, whatever the job.

In the water and wastewater industry, falling is the number one accident that occurs in our business. Be careful when you are out and about. This is the time of year when we will be doing paint touch-up and paint jobs in general. Sometimes, we must get in tight spots, over things, under things, and in all kinds of places. Just make sure when we are doing all of these jobs, proper safety practices are being performed.

One of the best ways to prevent disease and illness is to use good personal hygiene practices. Wash your hands often when working around a public utility. Make sure any time you think you may have come in contact with anything unsanitary to wash. Wear disposable gloves when working in dirty or unsanitary environments. If you

wear the disposable gloves, wash your hands when you finish the job anyway. Wash your hands with plenty of soap and as hot a water as you can tolerate without causing discomfort. Eat, drink, and smoke only in areas that are sanitary. Keep designated eating areas, such as lunchrooms, clean and sanitary. This will help prevent the spread of illness and disease.

If you work on electricity, make sure everything is properly locked out and tagged out. Do not work on electricity unless you are aware of how to do so safely. If you do not know what you can touch and work on and under what circumstances, do not work on it. Electricity is a great asset to this world, but it is very dangerous if we touch the

wrong thing at the wrong time. If you have not been properly trained on electricity, get someone who understands the safety aspects to work on it. If you work with chlorine and de-chlore, make sure to be careful and to know the safe handling procedures of it.

Many of you will be working along the streets or roadways at some point soon. Make sure to use proper flagging procedures when you are doing work that effects a roadway. Make sure to have all your signage out to warn people that there will be possible traffic delays and a change in the traffic pattern ahead. Make sure your flagger is in a safe place with a way of egress if something goes wrong. The flagger needs to be able to get

out of the way and to safety if there is a problem. Have no vehicles beside the flagger. Make sure to have your buffer space set up and an area for traffic to transition back to normal.

Water utility work can be very unsafe, but it does not have to be. Just know the safety procedures for any job you are doing. If you do not know the safety procedures, look it up. If you want to know more about safety, West Virginia Rural Water Association has various safety related courses within our vast schedule of training classes each year. Check out our training schedule for a class near you. Just be careful, diligent, and safe as you're doing your work out there. ■



HRG
Herbert, Rowland & Grubic, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

2021
ENR
MidAtlantic
DESIGN FIRM
OF THE YEAR
TOP DESIGN FIRMS

Designing customized cost-effective solutions to protect the health of local communities.

www.hrg-inc.com
Morgantown, WV | 304.284.9222




SEWERIN
official sales partner



Master Leak Technologies, LLC

Mike Masterson 267-236-6184
 100 Home Road
 Hatboro, PA 19040 Mike.Masterson@Masterleaktech.com
www.Masterleaktech.com



FEHR AND CUDA SALES, INC.

Eric Fehr
Manufacturer's Representative

662 North Main Street
 PO Box 127
 Greensburg, PA 15601

724.838.9394 Office
 724.396.7612 Mobile
 724.832.8211 Fax

eric@fehrcuda.com



3N BENCHMARK

Tim Spradling
304-881-1735

Benchmark Construction Co. Inc. ~ Since 1980

Mailing Address: PO Box 1018 • Hurricane, WV 25526

**Tri-State Industrial Coating
Contractors Alliance**

Brian Stanley
Marketing Representative

"Focus on Quality"

512 33rd Street
 Parkersburg, WV 26101
 304-546-1906
 bstanley@iupatdc53.org



H&S Controls

Buddy Haines Owner/Operator BHaines@hscontrols.com	http://www.hscontrols.com 1747 Country Club Rd. Grafton, WV 26354
---	---

Call Today **(304)265-4433 or 203-1379**



Phil Ames
Sales Representative

Mobile: 740-319-4772
 PAmes@fordmeterbox.com

The Ford Meter Box Company, Inc.
 775 Manchester Avenue, P.O. Box 443
 Wabash, Indiana USA 46992-0443
 Phone: 260-563-3171 / Fax: 800-826-3487
www.fordmeterbox.com



Dutchland
INCORPORATED
Engineered Concrete Environmental Solutions

Micah D. Boyer | Regional Sales Manager

160 Route 41
 Gap, PA 17527

(c) 717-598-9081 mboyer@dutchlandinc.com
 (o) 717-442-8282

Dan Nelson 305 Plum Industrial Court
 dan@dasgroupinc.com Pittsburgh, PA 15239-2913
 Mobile: 412-559-8646 724-327-8979 ext #4
Fax 724-733-9066



DAS Group

"The Environmental Solutions Provider"

 www.dasgroupinc.com



**STIFFLER
MCGRAW**
PROFESSIONAL ENGINEERS ARCHITECTS



THE EXPERIENCE *you want,*
THE APPROACH *you need.*

WATER SUPPLY & WASTEWATER ENGINEERING - SURVEYING - GENERAL MUNICIPAL CONSULTATION
LAND DEVELOPMENT - ARCHITECTURE & BUILDING SYSTEMS - ENVIRONMENTAL ENGINEERING - TRANSPORTATION
GRANTSMANSHIP - LANDSCAPE ARCHITECTURE - CONSTRUCTION MANAGEMENT - STORMWATER MANAGEMENT - MS4
OFFICES LOCATED THROUGHOUT PENNSYLVANIA

1.888.696.6280 •    - STIFFLER-MCGRAW.COM



CORE & MAIN
coreandmain.com



**We're all about
West Virginia**

Dunbar 304-768-0086	Martinsburg 304-263-6986
Morgantown 304-983-8221	Poca 304-756-9901
Stonewood 304-626-3090	

TRENT HERTZFELD
manufacturers representative

Utility Solutions, Inc.

office 740.369.4300
fax 740.369.4301
cell 614.397.0196

327 Curtis Street
Delaware, Ohio 43015

www.utility-solutions.com
trent@utility-solutions.com



DiamondMaps
.com

Map Your Own System	Track Maintenance	\$20/Month
<ul style="list-style-type: none"> • No Setup Cost • No Contract • Phone Support • Free Trial 	<ul style="list-style-type: none"> • 20% Discount For WWRWA Members • Used By 1,000 Rural Water Systems 	<p>Watch our video at diamondmaps.com or call Ben Hill at 317-939-6941</p>

**U
T
I
L
I
T
Y
B
I
L
L
I
N
G**

ASI
an easy choice

Your billing system is supposed to make your job easier. Does it?



For information or a demonstration, call or write

Walter Frazier
Appalachian Software, Inc.
44 Amber Way
Scott Depot, West Virginia 25560
(304) 757-1260

Sustainable Utility Management Program

I'm pleased to let the members know that, as of May 3rd, 2022, I'm an employee of WV Rural Water Association. For those who don't know me, let me give you a little background information. I retired from the City of St. Albans MUC as the Chief Operator of the WWTP this past February. After two months short of 35 years, I felt it was time to go and I enjoyed retirement for a couple of months before this opportunity presented itself and I jumped at the chance to work for Rural Water.


Over the years with the MUC, I have attended many classes and con-

ferences presented by WVRWA and they are such a great resource for education, information, and for help when needed. I have known a lot of great people that have worked or still work here and I'm excited to try and help systems in the same manner.

EPA has established a program for Small and Rural Wastewater Systems with flows up to 1 MGD or serve a population of less than 10,000 persons. This is the first year that WVRWA is glad to provide this service to its members that fit into this category. The purpose of this program is to help in the acquisition of financing, Clean Water Act com-

pliance, and to distribute planning, design, construction, and operational information throughout the systems in the state. The program can also help systems plan better for the future.


I will be contacting systems around the state to see if they would be interested in participating in a Sustainable Management Action Plan (SMAP). If your system would like to be involved with this program, please feel free to contact me and we will setup a date and time for me to come visit your wastewater system. Looking forward to talking with you. ■



Bowles Rice
ATTORNEYS AT LAW

James V. Kelsh
jkelsh@bowlesrice.com
304-347-1135

bowlesrice.com











BissNuss Inc.

CHEMICAL FEED AND PROCESS EQUIPMENT FOR WATER & WASTEWATER

VISIT OUR WEBSITE FOR ACCOUNT LISTING: www.bissnussinc.com

PITTSBURGH / WEST VIRGINIA 2600 Boyce Plaza Rd. Suite 141 Pittsburgh, PA 15241 Tel: (412) 221-1200 Fax: (412) 221-5952	CANFIELD Olde Courthouse Bldg Suite 200 Canfield, OH 44406 Tel: (330) 533-5531 Fax: (330) 533-6857
--	--

FOR CHEMICAL FEED PARTS & SERVICE VISIT www.bninc.com OR CALL 888-256-3142



Pound, VA (276) 796-5473 Oak Hill, WV (304) 469-3443 Pittsburg, IL (618) 997-2560

SALES, SERVICE, REPAIR & INSTALLATION



Exceptional Chemistry. Personal Support.

With a devotion to problem solving, we'll find the right chemistry for your unique water or wastewater application.

- Odor and Corrosion Control
- Water Treatment Technology
- Wastewater Treatment
- Industrial Solutions

Aulick Chemical Solutions
111 Patton Ct. | Nicholasville, KY 40356
859.881.5422 | aulickchemical.com | info@aulickchemical.com



NATIONAL RURAL WATER ASSOCIATION

NRWA *America's Largest Utility Membership*

NOW IS THE TIME TO ACT

Get Started on Your Water Utility Construction Project

Do you have a Water Utility Construction Project? Now is the time to act! Rates are at an all time low, and with the current pricing being opportunistic and taking action can result in benefits not only for your-self but for the customer as well. Consider the below items that detail positive reasons to act now that you can present to your governing body.

- Interest rates are at an all-time low.
- More project contractors are available, increasing the number of bids, potentially lowering project costs.
- Fuel costs are low, lowering pipe related costs.
- Most material costs for projects are down.
- Shipping costs for many have decreased.
- Road and water projects are easier to schedule due to decreased volume in traffic.
- Low construction costs and available contractors are not guaranteed to last.



USDA Rural Development is committed to helping improve the economy and quality of life in rural America. Offering loans, grants and loan guarantees are some of the ways Rural Development is supporting rural America.





Funding Source Water Protection

Source Water Protection projects can take all sorts of shapes. It could be adding an additional source; whether that be a new well, a new intake, raw water storage, finished water storage, or an interconnect with another system. It could also be an early warning system, or land features to prevent pollution from agricultural activities, or conservation easements to ensure adjacent lands are not used for purposes that propose a risk of contamination. It might even involve construction of a sewer facility to prevent contamination from sewage that is not adequately treated. The opportunities are as varied as the imagination allows. The question is, how are we going to pay for those protections?

Fortunately, there are several options. First, there is conventional funding. There are numerous funding sources available to public water systems through various federal, state, and local agencies. At the federal level, United States Department of Agriculture – Rural Development (USDA-RD), for instance, offers low interest loans and some grants to publicly owned utilities for water and sewer projects. The United States Department of Housing and Urban Development (HUD) has the Small Cities Block Grant program that will contribute grant money

toward projects. The Appalachian Regional Commission, USEPA, and the US Army Corps of Engineers have programs if your project meets their qualifications.

On the state level, the West Virginia Infrastructure and Jobs Development Council (IJDC) offers loans and grants for water and sewer projects to qualified applicants. The West Virginia Department of Health and Human Services (WVDDHHR) and the West Virginia Department of Environmental Protection (WVDEP) both have State Revolving Loan programs (for water and sewer projects respectively). The WVDEP also administers the Abandoned Mine Lands (AML) program. There are other state and federal programs available, check with your regional planning and development council for more information. There may also be funds available through your local county commission or local foundations to assist in funding projects. When all else fails, bank loans can be obtained to fund projects.

More specifically, there is some funding available specifically for source water interests. The WVDDHHR administers their own Wellhead and Source Water Protection grants program. Information regarding eligibility and requirements can

be found at <https://oehs.wvdhhr.org/eed/source-water-assessment-wellhead-protection/wellhead-and-source-water-protection-grants/>. Also, for source water protection measures that involve agricultural or timber elements, the USDA has programs through the Farm Services Agency (FSA) and the Natural Resources Conservation Service (NRCS) that will provide funds for qualifying source water protection efforts. Features like fences and troughs to keep livestock out of creeks and streams are eligible. They will fund riparian buffer zones to prevent chemicals and erosion from polluting waterways. Money can also be used for conservation easements to guarantee that land will be protected from uses that pose a risk of pollution in the future. The 2018 Farm Bill update made a priority of protecting drinking water sources. Your source water specialist can assist you in contacting the right agencies to explore these options.

Protecting water at the source is vital to providing safe, reliable service to customers. There are resources to help provide that protection. If you have questions or need help, contact your WVRWA Source Water Specialist, Jerry Dotson at jerrydotson@wvrwa.org. ■

Need Information or CD's?
Visit the WVRWA Library To
View the Latest Information
Available



WVRWA website
@www.wvrwa.org

Do You Know the
Benefits of WVRWA
Membership?



- Onsite Technical Assistance
- Free Training Programs
- WVRWA Magazine
- Reduced Conference Rates
- Resource Library
- Access to Loaner Equipment
- Job Advertising
- Affinity Programs
- Classified Advertising
- Board Training
- Leak Detection Assistance
- Smoke Testing Assistance
- Website
- Legislative Advocacy
- Discounted Background Checks

JOIN WVRWA



MARYLAND BIOCHEMICAL CO., INC.

712 TOBACCO RUN DRIVE
BEL AIR, MD 21015

BIOLOGICAL & CHEMICAL
WASTEWATER TREATMENT
ULTRASONIC ALGAE CONTROL

TOM BUNDICK
Technical Sales Representative
www.marylandbiochemical.com
tom@marylandbiochemical.com

BUS: (800) 771-7252
FAX: (410) 734-9102
CELL: (804) 245-4630

MICHAEL D. GRIFFITH, CPA, AFI



Griffith & Associates, PLLC

Accountants and Consultants

950 Little Coal River Road
Alum Creek, WV 25003
mgriffith@gcorpww.com

Phone: (304) 756-3600
Fax: (304) 756-2911
Cell: (304) 545-3645

SERVING PUBLIC WATER SYSTEMS ACROSS WV



Certified Water Operators

Leak Detection & Repair

Distribution Services

Backflow Program Management

NEW! Compliance Tracking Software

304-269-0072 info@qualitywaterserviceswv.com



Underground
Rehabilitation
Services

Your Partner of Choice for UV Cured Pipe Lining
and manhole and Structure repair!

*Certified Installer of Alphasliner a Glass Fiber
Reinforced Pipe Liner for storm & Sanitary Pipe

*Certified Applicator of Epoxytec structural epoxy
P: 301-428-0800 | www.pleasantsconstruction.com

RURAL WATER Loan FUND



The **NRWA Rural Water Loan Fund (RWLF)** is a funding program specifically designed to meet the unique needs of small water and wastewater utilities. The RWLF provides low-cost loans for short-term repair costs, small capital projects, or pre-development costs associated with larger projects. The RWLF was established through a grant from the USDA/RUS, and repaid funds used to replenish the fund and make new loans.

Reasons to apply

- Reasonable interest rates
- NRWA does not charge administrative or processing fees
- Straightforward application process
- Quick turnaround

Eligible Projects Include

- Pre-development (planning) costs for infrastructure projects
- Replacement equipment, system upgrades, maintenance and small capital projects
- Energy efficiency projects to lower costs and improve sustainability
- Disaster recovery or other emergency loans available

Contact your State Rural Water Association or National Rural Water Association for help with the application process.

For More Information:

Applications, information and forms can be downloaded from the NRWA website, www.NRWA.org/loans.

Email applications to:
nrwarwlf@nrwa.org

Or mail to:
Rural Water Loan Funds
2915 South 13th
Duncan, OK 73533

For help, please call 1.800.332.8715 or email nrwarwlf@nrwa.org.



National Rural Water Association working in conjunction with US Department of Agriculture/ Rural Development



WaterPlus Coverages Available

Property • General Liability • Auto
Mobile Equipment • Boiler & Machinery
Public Officials & Management Liability
Excess Liability • Workers' Compensation

renee@hayesdonnelly.com

202 Union Square
Marietta, Ohio 45750



Renee D. Parks-Shotwell

Cell: 740.350.5737

Office: 740.373.2347

EMPOWERING WEST VIRGINIA COMMUNITIES

Does your utility system need financing or refinancing to expand services, replace equipment or free up operating revenue? Whatever the reason, you need a trustworthy partner with experience and resources. Consider Crews & Associates for your next funding solution. We'll earn your trust before we earn your business.



Rob Steptoe, Director

304.276.5273 • rsteptoe@crewsfs.com

69 Clay St., Suite 202
Morgantown, WV 26501

Supervisory Office: 521 President Clinton Ave., Suite 800
Little Rock, AR 72201 • 800.766.2000 • crewsfs.com
Member FINRA & SIPC



By Shane Altizer, Water Circuit Rider

Storage Tank Inspections

Have you ever had your tanks inspected? Water storage tanks and clear wells should be inspected at least every 5 years and cleaned to maintain good quality water. Regular tank inspections can aid in identifying small problems before they become major problems that can create health related issues or lead to costly repairs or premature tank failure. Tanks that are not cleaned periodically may cause contamination that

can harm human health or can contribute to discolored, bad smelling water.

Inspection and cleaning can be done by draining the tank, hiring a dive team to enter the tank, or using a submersible drone and cleaning robot. West Virginia Rural Water has purchased a submersible drone for inspection purposes and we would be happy to help. Our drone has a 4k HD camera that allows us to view the

tank with top quality and also gives us the ability to record video and take pictures that might be needed. From paint peeling off the wall causing rust to sediment or pumps, it's important to know what your storage looks like from the inside.

Don't procrastinate inspecting your tanks. You never know what issues you might already have inside the tank. Contact your circuit rider to schedule your inspection. ■



 **Will Michael**
Municipal Sales

Ferguson Waterworks
698 Middletown Road, Rte 73S
White Hall, WV 26554
(681) 404-2857 *Mobile*
(304) 534-5823 *Office*
(304) 534-5828 *Fax*

william.michael1@ferguson.com
ferguson.com/waterworks

 Non-Revenue Water
Time is money.
So is water.

neptunetg.com/NRW
#winyourday



Bob Rodecker **John McGhee** **Cindy Wilson**

Utility Team

Public Utility Law, Energy Law, Municipal Law

KAY CASTO & CHANEY
Attorneys at Law PLLC

www.kaycasto.com 304-345-8900
Charleston - Morgantown - Martinsburg

This is an advertisement.

Warren Pump & Supply Co.
GOULDS PUMPS • STA-RITE PUMPS • FRANKLIN PUMPS
GRUNDFOS PUMPS • WATER PRO SOFTENERS
MYERS SEWAGE PUMPS

JAMIE FERGUSON

CELL: (304) 638-2882 1551 JACKSON AVENUE
BUS: (304) 429-6723 HUNTINGTON, WV 25704
FAX: (304) 429-6724 ww@warrenpump.net

Clear flow ~ Preassembled Structures by CP&P

Precast Utility Buildings PRV Vaults Lift Stations
Flume Vaults Fire Service Vaults Altitude Valve Vaults
Water Meter Vaults Sewage Grinder Vaults

CP&P
CONCRETE PIPE & PRECAST, LLC

We are committed to making Concrete Pipe & Precast the preferred supplier for our customers by delivering outstanding value, continuous innovation, and exceptional customer experience by consistently fulfilling our promise:
"Not Just Concrete, Concrete Solutions"

Phone: (800) 648-2278 www.ConcretePipeP.com

PiperJaffray.

JOSEPH E. NASSIF
MANAGING DIRECTOR
PUBLIC FINANCE INVESTMENT BANKING

P 304 343-7101 E JOSEPH.E.NASSIF@PJC.COM
F 304 551-0229

PIPER JAFFRAY & CO.
405 CAPITOL STREET, SUITE 613 | CHARLESTON, WV 25301
piperjaffray.com

CERRONE
Associates • Consulting Engineers

97-14th Street Wheeling, WV 26003 304 232 5550 www.cerrone1.com



Harmony® Encore®
Management Software

Sonata® Residential
Ultrasonic Meter

Allegro®
Licensed AMI Endpoint

Got Water?

If you do, you're fortunate. We all forget that sometimes. Water must be managed so it's there when we need it — whether for drinking, bathing, or activities vital to our local economies like agriculture and manufacturing.

Master Meter's tech portfolio helps utilities of all sizes effectively manage water through precise measurement and with stunning software that makes sense of it all — for both the utility and their customers.

Because Everyone Is A Water Manager®



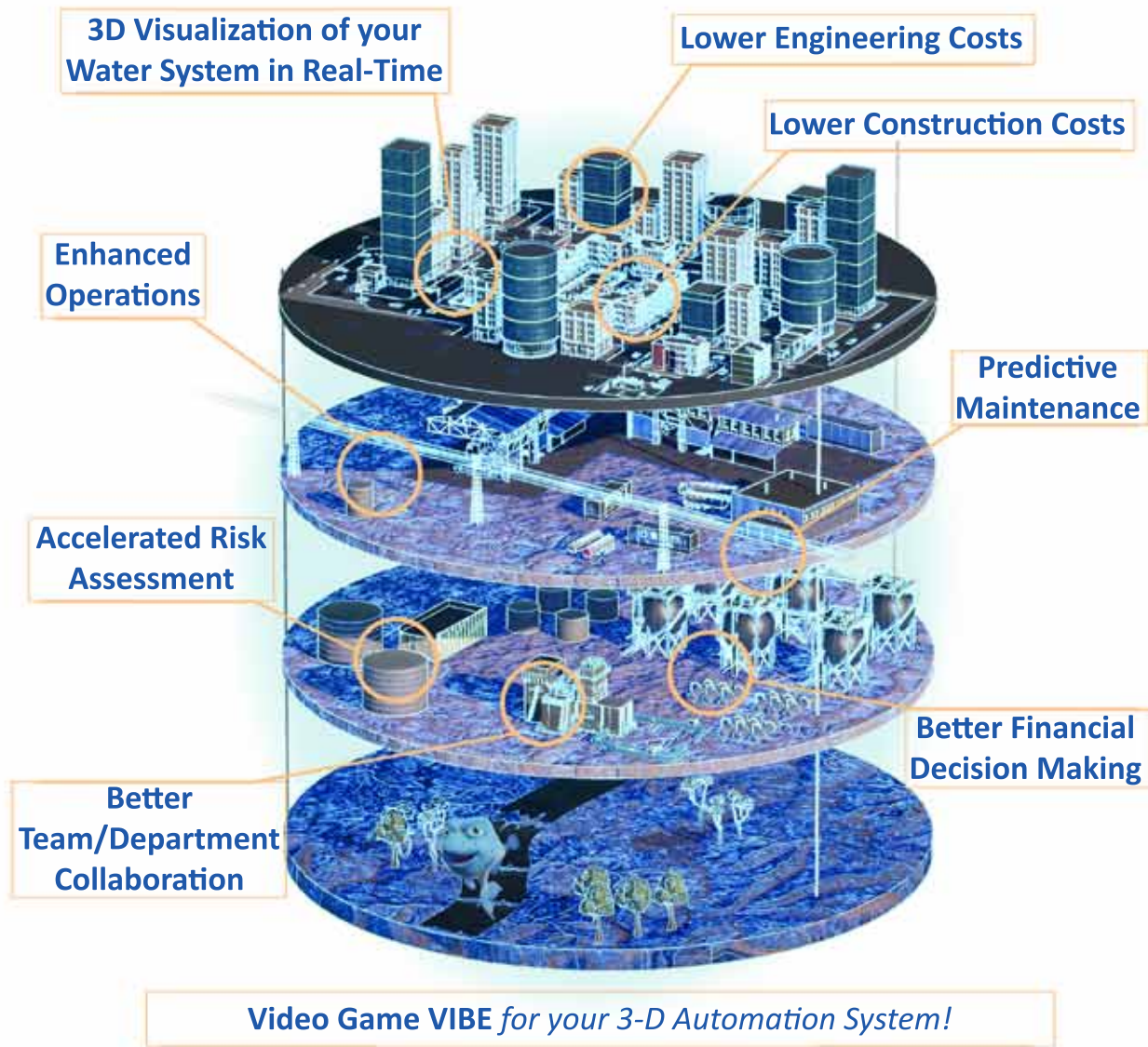
Mike Phillips | Regional Sales Manager
(937) 902-4663 | mphillips@mastermeter.com



mastermeter.com/GOTWATER



Extreme Endeavors Advances **DIGITAL TWIN** Technology to Support West Virginia Water



Text "Digital Twin" to 304-457-2500 to Get Started
in the **Digital Twin** Revolution!

Extreme

Endeavors Automation | Telemetry | SCADA

<http://www.extreme-endeavors.com/scada/> 304-457-2500



JABO WATER WORKS DIVISION

SUPPLY CORPORATION

SERVICE IS MORE THAN A PROMISE!

(800) 334-5226

PIPE

- PVC PRESSURE PIPE
- C900
- DUCTILE IRON
- AQUAMINE
- CORRUGATED PLASTIC AND GALVANIZED
- CARBON & STAINLESS STEEL PIPE

VALVES

- HYDRANTS
- GATE, GLOBE, & CHECKS
- BALL VALVES
- BUTTERFLY VALVES
- PLUG VALVES

FABRICATION SHOP

- CUSTOM HDPE VALVE VAULTS
- CUTTING & GROOVING SERVICES UP TO 24"
- THREADING CAPABILITIES OF TO 6"
- 10,000 SQ/FT HDPE FABRICATION SHOP
- CUSTOM HDPE FABRICATION UP TO 24" AND SPOOLS UP TO 36"
- HDPE SPECIALIST WILL COME TO YOUR JOBSITE & MEASURE & PROVIDE FULL CAD DRAWINGS
- 2-36" HDPE FUSION MACHINES AVAILABLE TO RENT

ADDITIONAL SERVICES

- IN-HOUSE VALVE ACTUATION SHOP
- IN-HOUSE BULK HOSE AND ASSEMBLY SHOP



Huntington, WV
Phone: (304) 736-8333

Norton, VA
Phone: (276) 679-1224

Parkersburg, WV
Phone: (304) 464-4400

Morganfield, KY
Phone: (270) 389-3430

Beckley, WV
Phone: (304) 252-0000



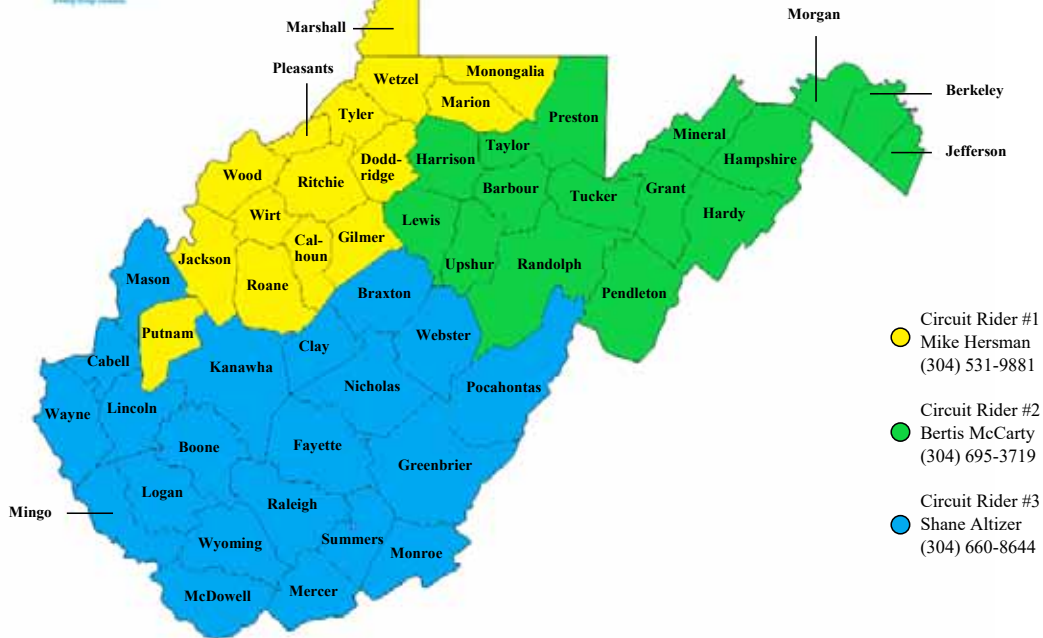
JABO

SUPPLY CORPORATION

www.jabosupply.com



WVRWA Water Circuit Riders



- Circuit Rider #1
Mike Hersman
(304) 531-9881
- Circuit Rider #2
Bertis McCarty
(304) 695-3719
- Circuit Rider #3
Shane Altizer
(304) 660-8644



Wastewater Circuit Riders

WVRWA, 100 Young Street, Scott Depot, WV
PH: (304) 201-1689 Fax (304) 201-1694



- WW Circuit Rider #1
Jim Johnson
304-704-3830

Gain a big return with your infrastructure funds.



At CITCO Water we know non-revenue water is a significant problem. Therefore we offer **Smart Meter Solutions** with advanced “smart” technology to **capture lost water and lost revenue**. Utilizing smart water meters and infrastructure allows providers to **deliver more accurate billing, detect customer leaks, and ultimately gain more revenue**.

Industry-leading. Cost-saving. Revenue-generating.

As the exclusive distributor of Sensus Smart Water Metrology in the WV, KY, TN, and OH region, we are committed to providing the highest quality products and latest technology available for residential, commercial and industrial smart water meters.



Eliminate non-revenue water and net a big return with your infrastructure funds by calling 800.999.3484 today.



800.999.3484 CitcoWater.com Solutions driven. Commitment given.

LOCATIONS • Bowling Green, KY • Bridgeport, WV • Hebron, KY • Huntington, WV • Lexington, KY • Nashville, TN • South Charleston, WV

All the material you need, **when you need it.**



featuring
Badger Meter

E-Series
Ultrasonic Flow Meters

Introducing the Next Generation Badger E-Series G2[®] Ultrasonic Meters

E-Series G2[®] ultrasonic meters from Badger Meter are designed for high measurement accuracy and long-term reliability. They are an ideal solution for reduced maintenance and operating costs and for the reduction of non-revenue water.

E-Series G2[®] meters are fully compatible with the complete line of Badger Meter ORION[®] and BEACON[®] Advanced Metering Analytics (AMA) systems as well as other approved technologies. For more information, call National Road Utility Supply, Inc. today!



**NATIONAL
ROAD
UTILITY
SUPPLY, INC.**

Service is what we do best. That's a promise.

Valley Grove, WV
800-727-6787

Morgantown, WV
866-547-0101

Natrona Heights, PA
888-547-0101

nrusi.com  

QUALITY PRODUCTS COMPETITIVE PRICING EXCEPTIONAL SERVICE



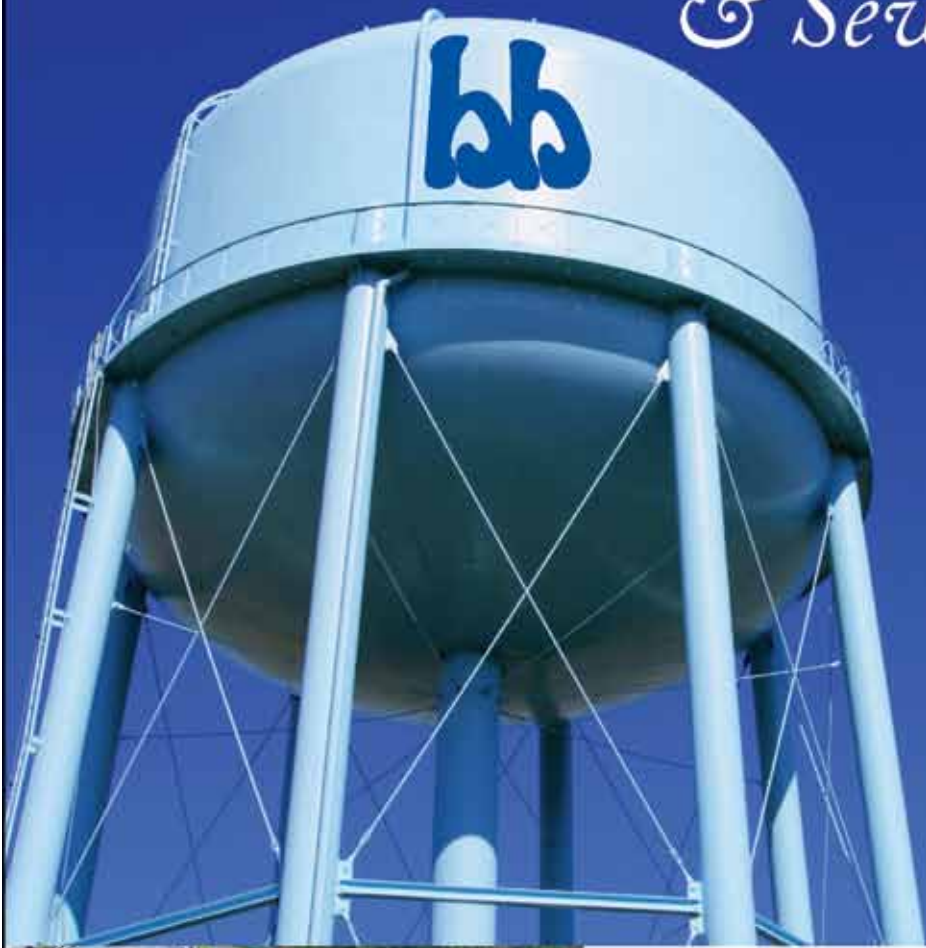
NEWS

droplets

e-Newsletter for Water and Wastewater Professionals

Recently, WVRWA published its new e-Newsletter, *News Droplets*. *News Droplets* provides information on new programs and benefits, training classes, conference, legislative news, and much more. If you are currently not receiving *News Droplets*, but would like to, please send your name and email address to connect@wvrwa.org to be added to the mailing list.

Insuring Water & Sewer Entities



- Property & Equipment Liability
- Employee Theft
- Cyber Liability
- Public Officials & Management Liability

**bb Bill Bailey
Insurance Agency**

701 Highland Avenue, Williamstown, WV 26187

bb-ins.com

800-926-8347





Valves & Instrumentation

valtronics.com | 304.273.5356

Valtronics.



P.O. Box 7144
Charleston, WV 25356-0144
wcweil.com

office 304.776.5665
dlusk@wcweil.com
304.776.8171

DANNY LUSK
SALES REPRESENTATIVE

Sales - Service - Aftermarket Parts



AQUASTORE
Tanks & Domes
"Glass Tanks with a Heart of Steel™"

- Never needs painting
- Sizes to 6 Million Gallons
- Ground Storage Tanks
- Standpipes
- Composite Elevated Tanks

Atlantic Storage Systems, Inc.
Jim Wery
Cell: 740-666-7787
www.middleatlanticstorage.com



Partner with Confidence.


Plan for the Future
Estate planning is a highly personal process. You need a partner you can trust to create a plan that achieves your long-term goals and protects your loved ones. Our team of experienced professional advisors will work with you to create a plan that meets your individual needs.

JENKINS FENSTERMAKER, PLLC
ATTORNEYS & COUNSELLORS

Jenkinsfenstermaker.com
1400 FALCON BLVD | HARRIS VALLEY, WV
26041-1101 | 800-967-3476

Project Engineering

All Types, All Budgets.



25 Years Of Service To WW Water Systems

GD&F

GWIN DOBSON & FOREMAN
ENGINEERS

3121 FAIRWAY DRIVE, ALTOONA, PA 16602
814.943.5214 | GDFENGINEERS.COM



...your full service environmental laboratory (800) 999-0105 pacelabs.com

- Statewide Lab Courier Service
- Drinking Water Analysis
- NPDES Monitoring
- Whole Effluent Toxicity (WET) Testing
- Waste Water Assessments
- Complete Groundwater Monitoring Programs

Beckley, WV 800-999-0105
Morgantown, WV 304-241-5861
Lexington, VA 540-664-1880



August 13-17

**Snowshoe Mountain
Resort**



See you soon!

*Customizable solutions with
minimal service interruptions*

- Manhole Coatings*
- Wet Wells & Tank Linings*
- Potable Water Storage Basins*
- Culvert Lining Installations*
- Bridge Deck Waterproofing*
- Secondary Containment*

Contact us today to learn more.



**Advanced
Rehabilitation
Technology**

419-636-2684

Advanced Rehabilitation Technology
525 Winzeler Drive, Unit 1
Bryan, OH 43506

www.artcoatingtech.com

Certified Installer of 

 **Water on the
Mountain
2022**

West Virginia Rural Water Association Annual Technical Conference



BUSINESS ESSENTIALS: RELATIONSHIPS

with high-powered
teamwork, the
sky is the limit



**SOLUTIONS FOR YOUR INFRASTRUCTURE
AND ECONOMIC DEVELOPMENT NEEDS**

John C. Stump • Richard L. Lewis • Marc C. Bryson • Todd M. Swanson
Thomas L. Aman Jr. • Katy Mallory (Project Finance Manager)

THIS IS AN ADVERTISEMENT



steptoe-johnson.com

SUDOKU PUZZLE

						1		6
9				3	1	8		
3	6			8				
1				7			8	
	9				2		5	
	3					2		1
6	7	9				3		
					7		2	
2							4	8

The aim of the canonical puzzle is to enter a numerical digit from 1 through 9 in each cell starting with various digits given in some cells (the "givens"). Each row, column, and region must contain only one instance of each numerical. Completing the puzzle requires patience and logical ability.

Answers can be found on page 38.



Vermeer[®]

Heartland

WEST VIRGINIA
5900 MacCorkle Ave
St. Albans, WV 25177
304-768-5965

EQUIPPED TO
DO MORE.

Trenchers Directional Drills Grinders

Proud supporter of the
West Virginia Rural Water Association



THOMPSON
& LITTON

EST. 1956

1105 Mercer Street | Princeton, West Virginia
304.425.9555 | www.T-L.com

LOWE & ASSOCIATES, PLLC

RODMAN G. LOWE

C.P.A.

rlowe@lowecpas.com

1156 South Main Street
Milton, West Virginia 25541

Office 304/743-5573
1-800-720-9629
Fax 304/743-1150

JESSIE O. PARKER, JR., P.E.

President / Senior Engineer
jop@s-s-eng.com

S & S Engineers, Inc.
501 Eagle Mountain Road
Charleston, WV 25311

304.342.7168 Office
304.342.7169 Fax
304.389.2412 Cell

ENGINEERS
DESIGNERS
SURVEYORS

WATER
WASTEWATER
SITE DEVELOPMENT
SURVEYING

S-S-ENG.COM

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

ADDRESSING AGING **INFRASTRUCTURE**

Practical solutions. Customized approach.



**Sewers | Mains | Tanks
Wells | Plants | Intakes
Pump Stations**

Burgess & Niple, Inc.
4424 Emerson Ave.
Parkersburg, WV 26104
304.485.8541

Learn more at burgessniple.com  

We're on the Web!

For the latest information on what WVRWA is up to,
follow us on Twitter, Facebook, & Lindedin

- Twitter: WV Rural Water
- Facebook: WV Rural Water Association
- Linkedin: West Virginia Rural Water Association





WEST VIRGINIA
Water Development Authority



Marie L. Prezioso
EXECUTIVE DIRECTOR

1009 Bullitt Street
Charleston, WV 25301
mprezioso@wvwda.org

304-414-6500 (X101)
Cell: 304-932-5091
Fax: 304-414-0865

POTESTA

Engineers and Environmental Consultants

www.potesta.com

CORPORATE HEADQUARTERS

CHARLESTON

T: (304) 342-1400

F: (304) 343-9031

Email: potesta@potesta.com

Engineering • Mining • Remediation • Oil & Natural Gas • Environmental

BRANCH LOCATIONS

MORGANTOWN, WV
(304) 225-2245

WINCHESTER, VA
(540) 450-0180

HYMAX

a MUELLER brand

VINCE J. MCCAFFREY
Mid-Atlantic TSM

201 Ralston Road
Richmond, VA 23229

PHONE 855-457-2879
MOBILE 352-789-9694
vince.mccaffrey@muellerwp.com
muellerwp.com



PREISER SCIENTIFIC

All The Right Stuff For Your Laboratory

An ISO 9001:2015 Certified Company

94 Oliver Street
St. Albans, WV 25177
Office: 1.800.624.8285
FAX: 1.800.919.4353

Website: www.preiser.com

Laboratory Equipment and Supplies

PRESTRESSED CONCRETE
WATER & WASTEWATER TANKS

CITY OF EJKINS, WV
CHAPMAN TECHNICAL GROUP



FRANK HOUSTON, P.E.
MID-ATLANTIC REGIONAL MANAGER
717.521.7595
FRANK.HOUSTON@DNTANKS.COM

**STRUCTURE.
& INTEGRITY.**

**PITTSBURG
TANK & TOWER
GROUP**

An ESOP Company Since 1919
"100 years and still climbing"

**CREWS
AVAILABLE
GLOBALLY**



WWW.PTTG.COM

NEW TANKS – Rick DiZinno
(270) 826-9000 ext. 2601

EXISTING TANKS – Jordan Pyles
(270) 826-9000 ext. 4601



scientific.inc.
forberg

**PROCESS INSTRUMENTATION
SALES AND SERVICES**

Phone: 412-257-1551
www.forberg.com

800 Old Pond Rd, Ste 705
Bridgeville | PA 15017



**DESIGNING
FOR THE
FUTURE...**

When quality matters most, call on us.

www.eadsgroup.com
800.626.0904


THE EADS GROUP
Engineering, Architecture & Design Services

- Planning
- Permitting
- I&I Studies
- Act 537 Sewage Facility Plans
- Site Planning
- Water Systems
- Wastewater Systems
- Stormwater Solutions
- Surveying & Mapping
- Drone UAV Services
- Municipal Engineering
- Geographic Information System
- Environmental Services
- Landscape Architecture
- Construction Inspection/Administration
- Grants/Funding

Altoona • Beaver • Clarion • Johnstown • Lewistown
Pittsburgh • Somerset • Cumberland • Morgantown

Answers to Soduko Puzzle

7	4	8	2	9	5	1	3	6
9	5	2	6	3	1	8	7	4
3	6	1	7	8	4	5	9	2
1	2	4	5	7	6	9	8	3
8	9	6	3	1	2	4	5	7
5	3	7	8	4	9	2	6	1
6	7	9	4	2	8	3	1	5
4	8	3	1	5	7	6	2	9
2	1	5	9	6	3	7	4	8



BRECKENRIDGE
CORPORATION
GENERAL CONTRACTORS
WV001651

breckenridgecorp.com

Bus. (304) 472-3350
Fax (304) 472-8506

P.O. Box 247 Brickyard Rd.
Buckhannon, WV 26201



Serving all your Water, Sewer, and Gas Needs:

Consolidated Pipe & Supply Co., Inc.
907 Honey Branch Industrial Park, Debord, KY 41214
Phone: (866) 350-4582 • Fax: (606) 298-0299
www.consolidatedpipe.com

Contact us for all your pipe & related needs!



Chapman Technical Group
a division of GRW

ENGINEERING
ARCHITECTURE
LANDSCAPE ARCHITECTURE
GEOSPATIAL

ST. ALBANS, WV
(304) 727 - 5501
BUCKHANNON, WV
(304) 472-8914
www.chaptech.com

Insurance Solutions for Water & Sewer Entities

Do you have leaks in your current insurance coverage?



Get a quote from Bray & Oakley

Coverages available are Property, Inland Marine, Crime, General Liability, Wrongful Acts, Employment Practices Liability, Workers Compensation, Auto and Excess. Take advantage of combining all these coverages into a package and save money. Also, if you would like to discuss and review these various coverages, you should obtain a quote to learn more about what Bray and Oakley Insurance has to offer.



(304) 752-6850 | www.brayandoakley.com | 213 Main St. | Logan, W.V. 25601

WWW.WWRWA.ORG

Civil Engineering Solutions Powered By 100+ Years of Experience

Family owned and operated since 1902, Hornor Brothers Engineers is the oldest engineering firm in West Virginia. We combine the comprehensive expertise of five Registered Professional Engineers and a dependable support staff with a thorough knowledge of north central West Virginia to provide our customers with value driven results.

100+ years of experience is powerful ... put it to work for you.



Specializing in:

- Airport Facilities
- Civil Engineering
- Land Surveying and Mapping
- Residential and Industrial Site Development
- Roadways
- Water and Sewer Systems
- Drainage Systems
- Project Management

HORNOR BROTHERS ENGINEERS

HORNOR BROTHERS ENGINEERS • HORNOR BROTHERS ENGINEERS • HORNOR BROTHERS ENGINEERS • HORNOR BROTHERS ENGINEERS

140 S. Third Street • P.O. Box 386 • Clarksburg, WV 26302

Ph. (304) 624-6445 / Fax (304) 624-6448

www.HornorBrosEng.com

Trey Hornor, P.E., *President and Managing Partner*

Brett Kemerer
Account Manager
Brett.kemerer@ppvs.com
Main: (304) 542-0016

Wayne Russell
Account Manager
wrussell@ppvs.com
Main: (304) 543-0550

Greg Jarrett
Project Manager
gjarrett@ppvs.com
Main (304) 982-1419

James Lawson
Application Engineer
jlawson@ppvs.com
Main: (304) 204-2257



PRECISION PUMP & VALVE SERVICE

Quality Works Harder



- **SmartRun** technology greatly reduces energy costs with pre-programmed functions and parameters that maximize run-time and self cleaning efficiency
- **Adaptive-N** impellers move axially upward when necessary to allow bulky objects such as rags and other tough debris to pass through smoothly
- **Flygt's N-technology** utilizes adaptive hydraulics to provide clog-free, self cleaning performance
- The **Experior's** Premium Efficiency motors are engineered to maintain lower temperatures in the motor which drastically extends life of the motor and bearings



- Full service control shop including custom panels & field service
- **Flygt** authorized warranty, repair, and aftermarket center
- Repair capabilities for all manufacturers
- Complete shop & field service capabilities
- Confined space certified technicians
- Preventative Maintenance Programs



517 Old Goff Mountain Road

Charleston, WV 25313

O: (304) 776-1710 F: (304) 776-7874

Emergency: (304) 553-5062

Technicians on call

24/7/365



We Engineer Solutions. We Build Relationships.

Serving Municipalities and Public Service Districts

***Water • Wastewater • Storm Water
Pipeline Inspection • GIS Mapping
Survey • Construction Services • Materials Testing***

THRASHER

www.thrashereng.com

1-800-273-6541

600 White Oaks Blvd.

Bridgeport, WV 26330

CHARLESTON, WV • PRINCETON, WV • BECKLEY, WV

OAKLAND, MD • CANTON, OH • FREDERICKSBURG, VA

HONORARY MEMBERS

We would like to give a special thanks to all of our current and former Board Members and Staff who have helped shape WVRWA.

April Atkinson	Dina Foster	Jim Johnson	S.E. "Ed" Moats	Margaret P. Sos
Lew Baker	Jennifer Freeman	George Kallai	Wayne Oates	George Sparks
Joe Blair	Barbara Gerkin	Curtis Keller	Robert L. Pack, Jr.	William A. Spino
Rocky Bragg	Lamar Godbey	Matthew Lamp	Tina Parsons	Debora Starnes
Ron Brill	Todd Grinstead	Tom Landis	Tom Pitman	Grace Stewart
Debbie Britt	Thomas G. Hall	Danny Lewis	Gregory Preece	Fred D. Stottlemeyer
Gary Buckbee	Dreama Hammonds	Randall Lewis	Larry Rader	Tim Stranko
Dwight Calhoun	William Hancock	Clayton Lutz	Jearl Ramsey	David Swain
Dan Campbell	Lowell Hardman	Starla Lynch-Snead	Dwight Reggi	Amy Swann
June Ann Carr	Lynn Hartman	Jeff Martin	Rick Roberts	Floyd Teter, Jr.
Tim Carroll	Calvin Hatfield	Bertis McCarty	Porter Robertson	Ray Tilley
Linda Davis-Adkins	Alan Haught	J. Robert McCarty	Jim Runyon	Daniel Vestal
Ricky Dennison	J. B. Heflin	Amanda McGinnis	Steven Sanders	David Wagner
Mike Dill	Mike Hersman	Jack McIntosh	Dalip Sarin	Darrell Wellman
George S. Evans	Doug Hervey	Mike McNulty	Douglas Schafer	Jim Wesolowski
Joseph Ferrell	C. David Holt	David Miller	Bonnie Serrett	Taylor Whittington
Thomas A. Ferris	John Huddleston	Will Miller	Doug Skeen	Janie Witt
Elaine Flaxer	Mary Hutson	Elbert Morton	Douglas Smith	Bill Yunker
Chet Fleming	Deborah D. Jividen	Herb Montgomery	J. C. Smith	
David Foster	Erica Johnson	Grover Moore, Jr.	Mary Smith	

VOTING MEMBERS

Adrian PSD	East Bank	Logan County PSD	Rainelle
Alderson	East View PSD	Lubeck PSD	Raleigh County PSD
Alpine Lake Public Utilities	Eastern Wyoming PSD	Lumberport	Ravencliff-McGraws-Saulsville PSD
Arthurdale Water	Eleanor	Mannington PSD	Ravenswood
Athens	Elizabeth	Marlinton	Red Sulphur PSD
Belington	Elk Valley PSD	Marshall County PSD #3	Reedsville
Belmont	Elkins	Marshall County Sewage	Richwood
Benwood	Elkins Road PSD	Mason	Ridgeley
Berkeley County PSSD	Ellenboro	Mason County PSD	Ripley
Berkeley County PSWD	Enlarged Hepzibah PSD	Masontown	Rivesville
Berkeley Springs Water	Fairview	Matewan	Romney
Bethany Sanitation Board	Farmington	Meadow Bridge	Rowlesburg
Beverly	Fenwick Mountain PSD	Middlebourne	Rupert
Big Bend PSD	Flatwoods-Canoe Run PSD	Midland PSD	Salem
Bingamon PSD	Follansbee	Mill Creek	Salt Rock Sewer PSD
Bluewell PSD	Fountain PSD	Milton	Shady Spring PSD
Bradley PSD	Frankfort PSD	Mineral Wells PSD	Shinnston
Bradshaw	Franklin	Monongah	Short Line PSD
Branchland-Midkiff PSD	Gauley River PSD	Monumental PSD	Southern Jackson PSD
Bridgeport	Gilbert Water	Moorefield	Southwestern Water PSD
Brooke County PSD	Gilmer County PSD	Moorefield Regional Wastewater	Spencer
Buckhannon	Glen Dale	Morgantown Utility Board	St. Albans MUC
Buffalo Creek PSD	Glenville	Moundsville Sanitary/Water	St. Marys
Burnsville	Grandview Doolin PSD	Mount Hope	Stonewood
Cairo	Grant County PSD	Mount Hope Water Association	Sugar Creek PSD
Caledonia Heights	Grant Town	Mountain Top PSD	Summersville
Cameron	Grantsville	Mt. View Water Assoc.	Summit Park PSD
Canaan Valley PSD	Greater Harrison PSD	Mt. Zion PSD	Sun Valley PSD
Carpendale	Greater St. Albans PSD	Nettie - Leivasy PSD	Taylor County PSD
Cedar Grove	Green Valley-Glenwood PSD	New Creek Water Assoc.	Tennerton PSD
Central Barbour PSD	Greenbrier County PSD #1	New Haven	Thomas
Central Boaz	Greenbrier County PSD #2	New Martinsville	Tri County Water Assoc.
Central Hampshire PSD	Hammond PSD	Newburg	Triadelphia
Century Volga PSD	Hamrick PSD	Northern Jackson County PSD	Tunnelton Municipal
Chapmanville	Hancock Co. PSD	Norton-Harding-Jimtown PSD	Tyler Co. PSD
Charles Town	Hardy County PSD	Nutter Fort	Union
Chester	Harman	Oak Hill Sanitary Board	Union PSD
Chestnut Ridge PSD	Harpers Ferry	Oakland PSD	Union Williams PSD
Clarksburg Water Board	Harrisville	Oakvale Road PSD	Valley Falls PSD
Clay County PSD	Hillsboro	Paden City	Village of Beech Bottom
Clay Municipal Water Works	Hodgesville PSD	Page-Kincaid PSD	Village of Bethlehem
Claywood Park PSD	Hughes River Water Board	Parkersburg Utility Board	Vienna
Clinton Water Assoc.	Hundred-Littleton PSD	Parsons	Wardensville
Clover PSD	Huntington Water Quality Board	Paw Paw Municipal	Washington Pike PSD
Coalton	Huttonsville	Paw Paw Rt. 19 PSD	Wayne
Colfax PSD	Huttonsville PSD	Pea Ridge PSD	Welch
Cool Ridge Flat Top PSD	Ice's Run PSD	Pendleton Co. PSD	West Hamlin
Coolfont Mountainside Assoc.	Jane Lew PSD	Pennsboro	West Milford
Cottageville PSD	Kanawha Falls PSD	Petersburg	West Union
Cowen PSD	Kanawha PSD	Philippi	Wetzel County PSD #1
Crab Orchard-MacArthur	Kenova Municipal	Piedmont	Wheeling
Craigsville PSD	Keyser	Pine Grove	White Oak PSD
Culloden PSD	Kingwood	Pineville	White Sulphur Springs
Danese PSD	Lavalette PSD	Pleasant Valley PSD	Williamstown
Davis	Leadsville PSD	Pocahontas County PSD	Winfield Sanitary Board
Davy Municipal Water Works	Lewisburg	Preston County PSD #1	Worthington
Denver Water Assoc.	Lincoln PSD	Preston County PSD #4	
Doddridge County PSD	Little Creek PSD	Preston County Sewer PSD	
Downs PSD	Logan	Putnam PSD	

WVRWA Associate Members - Summer, 2022

*Associate Member • **Sponsoring Associate Member
*** Sustaining Associate Member

ACCOUNTING/FINANCIAL

***Griffith & Associates, CPA's**

950 Little Coal River Road

Alum Creek, WV 25003

Phone: (304) 756-3600

See Our Ad Page 20

***Lowe & Associates, PLLC**

1156 South Main Street

Milton, WV 25541

Phone: (304) 743-5573

See Our Ad Page 35

***Piper Sandler & Company**

405 Capitol Street, Suite 613

Charleston, WV 25301

Phone: (304) 343-7102

See Our Ad Page 24

ATTORNEYS

***Bowles Rice, LLP**

600 Quarrier Street

Charleston, WV 25301

Phone: (304) 347-1100

See Our Ad Page 17

*****Jackson Kelly PLLC**

500 Lee Street, E., Suite 1600

Charleston, WV 25301

Phone: (304) 340-1000

See Our Ad Page 4

***Jenkins Fenstermaker, PLLC**

325 8th Street

Huntington, WV 25701

Phone: (304) 523-2100

See Our Ad Page 32

****Kay Casto & Chaney, PLLC**

707 Virginia Street, E

Charleston, WV 25301

Phone: (304) 345-8900

See Our Ad Page 24

*****Step toe & Johnson, PLLC**

P.O. Box 1588

Charleston, WV 25301

Phone: (304) 353-8000

See Our Ad Page 34

INSURANCE

*****Bill Bailey Insurance Agency, Inc.**

701 Highland Avenue

Williamstown, WV 26187

Phone: (304) 375-4900

See Our Ad Page 31

*****Bray & Oakley Insurance**

Agency, Inc.

P.O. Box 386

Logan, WV 25601

Phone: (304) 752-6850

See Our Ad Page 39

****Hayes Insurance Agency**

202 Union Square

Marietta, OH 45750

Phone: (740) 373-2347

See Our Ad Page 22

CONSULTANTS

****Burgess & Niple, Inc.**

4424 Emerson Avenue

Parkersburg, WV 26104

Phone: (304) 485-8541

See Our Ad Page 36

***Cerrone & Associates, Inc.**

97 14th Street

Wheeling, WV 26003

Phone: (304) 232-5550

See Our Ad Page 24

***Chapman Technical Group**

200 Sixth Avenue

St. Albans, WV 25177

Phone: (304) 727-5501

See Our Ad Page 38

****Crews & Associates, Inc.**

69 Clay Street, Suite 202

Morgantown, WV 26501

Phone: (304) 292-6600

See Our Ad Page 22

***Dunn Engineers, Inc.**

400 South Ruffner Road

Charleston, WV 25314

Phone: (304) 342-3436

See Our Ad Page 10

*****E.L. Robinson Engr. Co.**

5088 Washington Street, West

Charleston, WV 25313

Phone: (304) 776-7473

See Our Ad Page 12

****Gwin, Dobson & Foreman, Inc.**

3121 Fairway Drive, Suite B

Altoona, PA 16602-4475

Phone: (814) 943-5214

See Our Ad Page 32

****Herbert, Rowland & Grubic, Inc.**

829 Fairmont Road, Suite 201

Morgantown, WV 26501

Phone: (304) 284-9222

See Our Ad Page 14

*****Hornor Brothers Engineers**

P.O. Box 386

Clarksburg, WV 26302

Phone: (304) 624-6445

See Our Ad Page 40

***Potesta & Associates, Inc.**

7012 MacCorkle Avenue, SE

Charleston, WV 25304

Phone: (304) 342-1400

See Our Ad Page 37

***Rockacy & Associates, Inc.**

2528 Thrush Road

Charlottesville, VA 22901

Phone: (800) 836-1011

See Our Ad Page 10

***S & S Engineers, Inc.**

501 Eagle Mountain Road

Charleston, WV 25311

Phone: (304) 342-7168

See Our Ad Page 35

***Stantec Consulting Services, Inc.**

320 Southview Drive, Suite 102

Bridgeport, WV 26330

Phone: (304) 816-5199

***Stiffler, McGraw and Assoc., Inc.**

1731 N. Juniata Street

Hollidaysburg, PA 16648

Phone: (814) 696-6280

See Our Ad Page 16

****The EADS Group, Inc.**

250 Scott Avenue

Morgantown, WV 26508

Phone: (304) 212-5927

See Our Ad Page 38

*****The Thrasher Group, Inc.**

600 White Oaks Blvd.

Bridgeport, WV 26330

Phone: (304) 624-4108

See Our Ad Page 42

CONTRACTORS

***Breckenridge Corporation**

P.O. Box 247 Brickyard Road

Buckhannon, WV 26201

Phone: (304) 472-3350

See Our Ad Page 38

***Pleasants Construction, Inc.**

24024 Frederick Road

Clarksburg, MD 20871

Phone: (301) 428-0800

See Our Ad Page 20

WVRWA Associate Members - Summer, 2022

*Associate Member • **Sponsoring Associate Member
*** Sustaining Associate Member

Laboratories

***Analabs, Inc.**

P.O. Box 1235
Crab Orchard, WV 25827
Phone: (304) 255-4821

***Pace Analytical**

225 Industrial Park Road
Beaver, WV 25813
Phone: (800) 999-0105
See Our Ad Page 32

***Preiser Scientific**

94 Oliver Street
St. Albans, WV 25177
Phone: (800) 624-8285
See Our Ad Page 37

Services and Products

****Advanced Rehabilitation Technology**

525 Winzeler Drive, Unit 1
Bryan, OH 43506
Phone: (419) 636-2684
See Our Ad Page 33

****American Cast Iron Pipe/**

American Flow Control

2257 Clairmont Drive
Suite 220-222
Pittsburgh, PA 15241
Phone: (412) 721-9509
See Our Ad Page 3

***Ampstun Corporation**

P.O. Box 784
Richmond, KY 40476
Phone: (888) 252-4784
See Our Ad Page 10

****Appalachian Software, Inc.**

44 Amber Way
Scott Depot, WV 25560
Phone: (304) 757-1260
See Our Ad Page 16

***AquaFix, Inc.**

P. O. Box 8682
Madison, WI 53708
Phone: (608) 729-6617

***Aulick Chemical Solutions, Inc.**

111 Patton Ct.
Nicholasville, KY 40356
Phone: (859) 881-5422
See Our Ad Page 17

***Benchmark Construction Co., Inc.**

P. O. Box 1018
Hurricane, WV 25526
Phone: (304) 881-1735
See Our Ad Page 15

***BissNuss, Inc.**

7 Court Street, Suite 260
Canfield, OH 44406
Phone: (330) 533-5531
See Our Ad Page 17

***Buchanan Pump Service & Supply Co., Inc.**

P.O. Box 827
Pound, VA 24279
Phone: (276) 796-5473
See Our Ad Page 17

*****CITCO Water**

4034 Altizer Avenue
Huntington, WV 25705
Phone: (800) 999-3484
See Our Ad Page 29

***Concrete Pipe & Precast, LLC**

194 Deep Meadow Drive
Fishersville, VA 22939
Phone: (540) 487-5445
See Our Ad Page 24

***Consolidated Pipe & Supply Co., Inc.**

907 Honeybranch Industrial Park
Debord, KY 41214
Phone: (606) 298-0333
See Our Ad Page 38

***Core & Main**

2825 Fairlawn Ave.
Dunbar, WV 25064
Phone: (304) 768-0086
See Our Ad Page 16

***DAS Group**

3251-C Old Frankstown Road
Pittsburgh, PA 15239
Phone: (724) 327-8979
See Our Ad Page 15

***Diamond Maps**

7018 Buffwood Ct.
Brownburg, IN 46112
Phone: (317) 939-6941
See Our Ad Page 16

***DN Tanks, Inc.**

672 Main Street, Suite H
Harleysville, PA 19438
Phone: (717) 521-7595
See Our Ad Page 37

***Dorsett Technologies, Inc.**

100 Woodlyn Drive
Yadkinville, NC 27055
Phone: (540) 494-0833

***Dutchland, Inc.**

160 Route 41
Gap, PA 17527
Phone: (717) 442-8282
See Our Ad Page 15

***Edmunds GovTech**

301 Tilton Rd.
Northfield, NJ 08225
Phone: (609) 645-7333

***EnviroScience, Inc.**

5070 Stow Rd.
Stow, OH 44224
Phone: (330) 414-6552

*****Extreme Endeavors**

1063 Hickory Corner Rd.
Philippi, WV 26416
Phone: (304) 457-2500
See Our Ad Page 26

***Fehr & Cuda Sales, Inc.**

P.O. Box 127
Greensburg, PA 15601
Phone: (724) 838-9394
See Our Ad Page 15

***Ferguson Waterworks**

698 Middletown Rd.
White Hall, WV 26554
Phone: (681) 404-2857
See Our Ad Page 23

***Forberg Smith Process Solutions**

800 Old Pond Rd., Suite 705
Bridgeville, PA 15017
Phone: (412) 257-1551
See Our Ad Page 37

***Ford Meter Box**

13222 Fairview Road
Newark, OH 43056
Phone: (740) 319-4772
See Our Ad Page 15

***Frey Municipal Software**

40 North Grand Avenue, Suite 303
Fort Thomas, KY 41075
Phone: (859) 441-6566
See Our Ad Page 6

***Gilson Engineering Sales, Inc.**

535 Rochester Road
Pittsburgh, PA 15237
Phone: (304) 342-0012

***Golden Equipment Co., Inc.**

P.O. Box 873
Mars, PA 16046
Phone: (800) 242-1494

***H&S Controls**

1747 Country Club Road
Grafton, WV 26354
Phone: (304) 265-4433
See Our Ad Page 15

***HACH**

712 Creekstone Ridge
South Charleston, WV 25309
Phone: (304) 374-1490

***Hymax/Mueller**

201 Ralston Road
Richmond, VA 23229
Phone: (352) 789-9649
See Our Ad Page 37

WVRWA Associate Members - Summer, 2022

*Associate Member • **Sponsoring Associate Member
*** Sustaining Associate Member

**JABO Supply Corporation, Inc.

5164 Braley Street
Huntington, WV 25705
Phone: (304) 736-8333

See Our Ad Page 27

*Maryland Biochemical Co., Inc.

712 Tobacco Run Drive
Bel Air, MD 21015
Phone: (800) 771-7252

See Our Ad Page 20

*Master Leak Technologies, LLC

100 Home Road
Hatboro, PA 19040
Phone: (267) 236-6184

See Our Ad Page 15

***Master Meter, Inc.

101 Regency Parkway
Mansfield, TX 76063
Phone: (937) 902-4663

See Our Ad Page 25

*McWane Ductile

2266 South 6th Street
Coshocton, OH 43812
Phone: (330) 260-9292

See Our Ad Page 6

*Mid Atlantic Storage Systems, Inc.

1551 Robinson Road
Washington C.H., OH 43160
Phone: (740) 335-2019

See Our Ad Page 32

**National Road Utility Supply, Inc.

P.O. Box A
Valley Grove, WV 26060
Phone: (304) 547-0101

See Our Ad Page 30

*Neptune Technology Group

1600 Alabama Highway 229
Tallassee, AL 36078
Phone: (334) 415-9682

See Our Ad Page 23

*Nexbillpay, LLC

P.O. Box 19688
Birmingham, AL 35219
Phone: (800) 639-2435

*Pennonni

117 E. Piccadilly St.
Winchester, VA 22601
Phone: (540) 771-2091

See Our Ad Page 10

*Pittsburg Tank & Tower Co.

P.O. Box 913
Henderson, KY 42419
Phone: (270) 826-9000

See Our Ad Page 37

*John P. Place, Inc.

90 Clairton Boulevard
Pittsburgh, PA 15236
Phone: (304) 343-2607

See Our Ad Page 6

***Precision Pump & Valve Service, Inc.

P.O. Box 7027
Charleston, WV 25356
Phone: (304) 776-1710

See Our Ad Page 41

*ProSource Water Products, Ltd.

14680 Pleasant Valley Road
Chillicothe, OH 45601
Phone: (888) 772-5478

See Our Ad Page 6

*Quality Water Services, LLC

160 John Street
Weston, WV 26452
Phone: (304) 452-9883

See Our Ad Page 20

*Romac Industries, Inc.

21919 20th Ave. SE, Suite 100
Bothell, WA 98021
Phone: (412) 295-7167

*Sequoyah Software

8415 Easley Place
Leawood, KS 66206
Phone: (314) 210-8922

See Our Ad Page 6

*Service Pump & Supply Co.

P.O. Box 2097
Huntington, WV 25721
Phone: (304) 429-6731

See Our Ad Page 10

*Shafer, Troxell & Howe, Inc.

97D Monocacy Blvd.
Frederick, MD 21701
Phone: (301) 682-3390

*State Equipment Inc.

P.O. Box 3939
Charleston, WV 25339
Phone: (304) 776-4405

See Our Ad Page 6

*Tepco-Trombold Equipment Co., Inc.

P.O. Box 897
Mars, PA 16046
Phone: (724) 625-4260

See Our Ad Page 6

*Thompson & Litton

1105 Mercer Street
Princeton, WV 24740
Phone: (304) 425-9555

See Our Ad Page 35

*Tri State Industrial Coating

Contractors Alliance
512 33rd Street
Parkersburg, WV 26101

Phone: (304) 546-1909

See Our Ad Page 15

*United Systems & Software, Inc.

P.O. Box 547
Benton, KY 42025
Phone: (800) 455-3593

See Our Ad Page 6

*U.S. Pipe & Foundry Co., Inc.

2247 Maiden Lane
Roanoke, VA 24015
Phone: (540) 353-7425

***USABlueBook

3781 Burwood Drive
Waukegan, IL 60085
Phone: (800) 548-1234

See Our Ad Back Cover

*Utility Solutions, Inc.

327 Curtis St.
Delaware, OH 43015
Phone: (740) 369-4300

See Our Ad Page 16

**Utility Technologies, LLC

1054 Monroe Rd., Suite 105
Lebanon, OH 45036
Phone: (513) 488-1940

See Our Ad Page 8

*Valtronics, Inc.

P.O. Box 490
Ravenswood, WV 26164
Phone: (304) 273-5356

See Our Ad Page 32

*Vermeer of West Virginia

5900 MacCorkle Avenue
St. Albans, WV 25177
Phone: (304) 768-5965

See Our Ad Page 35

*Warren Pump & Supply

1551 Jackson Avenue
Huntington, WV 25704
Phone: (304) 429-6723

See Our Ad Page 24

*Water Development Authority

1009 Bullitt Street
Charleston, WV 25301
Phone: (304) 414-6500

See Our Ad Page 37

*W.C. Weil Company

P.O. Box 7144
Charleston, WV 25256-0144
Phone: (304) 776-5665

See Our Ad Page 32

WVRWA Welcomes New Members



Associate Member

Diamond Maps
Edmunds GovTech
EnviroScience, Inc.
Penioni



NON-COMMUNITY MEMBERS

Big Bear Lake
National Radio Astronomy Observatory

Peterkin Camp & Conference Center
Valley Vista Adventist Center

AFFILIATE MEMBERS

Ashland Scenic Campground
Global Capital of World Peace
Mettiki Coal (WV) LLC

Newell Company
Twin Falls State Park

INDIVIDUAL MEMBERS

Alan Ayala	Bruce Darner	Kevin Hamrick	John Inghram	Jason Roberts	Doug Urling
Timothy Bennett	Matt Dawson	Kevin "Ricky"	Ernie Jack	Jonathan Stanley	Kistina Ward
Travis Callaway	Mark Dearman	Hamrick, Jr.	Patricia Lee	Matthew Stanley	Frank Welch
Kennon Chambers	Dwayne Duffield	Michael Hawranick	Michael O'Brien	Paul Stover	Louis Wooten
John Cobb	Samme Gee	Joshua Hunt	Richard Ohalek	Shawn Thompson	Gary Young
Steve Cornwell	Michael Giannini	Mary Hutson	Caitlyn Preast	Calvin Upton, P.E.	

CLOGGED PUMPS?

Tackle wipes and large debris with these solutions from USABlueBook!

FOR SMALLER APPLICATIONS AND LIFT STATIONS

Goulds GFK and GFV Series Sewage Pumps

- Non-clog impellers handle wipes and 2" solids

FlowRake Rag Catchers

- Catch and retain flushables



OPERATOR
DESIGNED



USABlueBook
EXCLUSIVE

FOR LARGE MUNICIPAL LIFT STATIONS

Deming Demersible Chopper Pumps

- Slice the most troublesome solids into small pieces

StationGuard Manual Bar Screens

- Capture damaging wipes and debris

DEMING®



OPERATOR
DESIGNED



USABlueBook®
GET THE BEST TREATMENT™

GET PRODUCT DETAILS AT
usabluebook.com/NoMoreClogs

800.548.1234 • usabluebook.com