

MUNICIPAL

SEWER
&

WATER™

FOR SANITARY, STORM AND WATER SYSTEM MAINTENANCE PROFESSIONALS

September 2019

www.mswmag.com

HUMAN SIDE: RESPECTFUL
DISAGREEMENT TRUMPS SILENCE

PAGE 22

TECH TALK: TIPS FOR BUYING
A NEW COMBO TRUCK

PAGE 40

STAYING SAFE: PROMOTE SAFETY
THROUGH SYSTEM KNOWLEDGE

PAGE 44

GROWTH OF A SYSTEM

Small Texas community's
collections system
expansion stays ahead
of rapidly rising population

PAGE 16

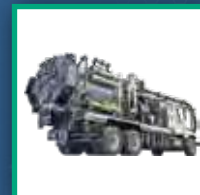
Tommy Mapp
Public Works Director
Princeton, Texas

2019-2020
**BUYER'S
GUIDE**

PAGE 50

PRODUCT NEWS

PAGE 110



UNSTOPPABLE

M O M E N T U M



With power, versatility and agility, the ROVVER X sewer crawler has won a reputation that's larger than life. Behind it stands the industry's broadest network of service and support centers—each committed to delivering unrivaled uptime and low cost-of-ownership.

It all adds up to ROVVER X being the world's most trusted crawler. Schedule a demo today and see why.

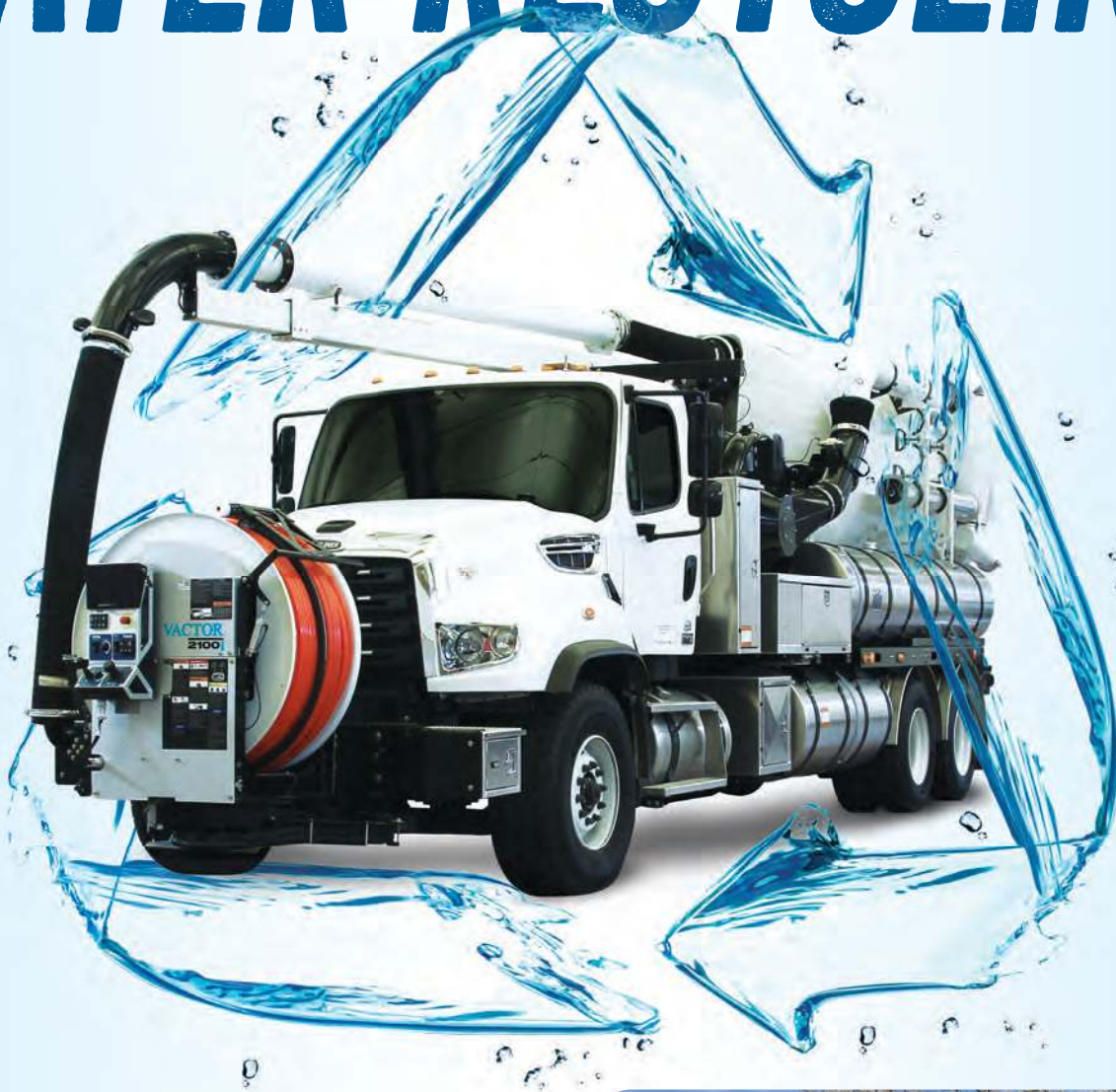


Envirosight

(866) 936-8476 • www.envirosight.com

VACTOR® 2100i

WATER RECYCLING



Great for the environment – and for the bottom line

- Saves thousands of gallons of water in every shift
- Increases productivity by up to **100%**
- Eliminates the need for crews to break down and refill



©2019 Vactor Manufacturing

SEE WHY WE ARE THE SUPERIOR COMBINATION SEWER CLEANER
VACTOR.COM/WATERRECYCLER

VACTOR
2100i

INSIDE:

WEFTEC PRE-SHOW ISSUE,
ANNUAL BUYER'S GUIDE



ON THE COVER: Princeton (Texas) Director of Public Works Tommy Mapp stands outside the wastewater utility's newest lift station. The department has successfully worked to expand its infrastructure ahead of a rapidly rising population. (Photography by Olivia Ogren-Hrejsa)



COMING IN OCTOBER 2019

WEFTEC Show Issue, Flow Control & Monitoring

- ◆ **STORMWATER:** Denver takes a green approach to stormwater control
- ◆ **STAYING SAFE:** Confined-space work requires emergency preparedness
- ◆ **HUMAN SIDE:** Social learning fosters continuous workforce education

FEATURES

16 SEWER: Growth of a System

Small Texas community's collections system expansion stays ahead of rapidly rising population.

By Erik Gunn

26 WATER: The Perfect Blend

Operating a small Connecticut water system is a real balancing act for former regulator.

By Pete Litterski

COLUMNS

8 FROM THE EDITOR: The Rich and the Poor

Educating your customers about the value of your water resources is the key to your future.

By Luke Laggis

12 @mswmag.com

Visit daily for news, features and blogs. Get the most from *Municipal Sewer & Water* magazine.

22 HUMAN SIDE: Learn to Speak Up

Honestly and respectfully disagreeing with managers trumps the sound of silence.

By Ken Wysocky

34 BETTER MOUSETRAPS: The Benefits of Remote Disconnect Metering

Greater control of your water connections builds safety, security and efficiency.

By Thomas Butler

40 TECH TALK: Buying a Combo

Tips and advice for choosing the right truck for your cleaning and maintenance program.

By Jared Raney

44 STAYING SAFE: There's Safety in System Knowledge

The best way to promote safety is by making sure employees understand the systems they operate.

By Jared Raney

48 NASSCO CORNER: Workforce Development

Like-minded organizations are helping to bring new people to the industry.

By Sheila Joy

50 2019-2020 ANNUAL BUYER'S GUIDE

104 WEFTEC PRODUCT PREVIEW

By Craig Mandli

110 PRODUCT NEWS

Product Spotlight: QuickLok drum will speed up your CIPP install.

By Craig Mandli

114 WORTH NOTING

People/Awards; Learning Opportunities; Calendar

SEPTEMBER 2019

MUNICIPAL
SEWER
&
WATER

**PERMA-LINER™
INDUSTRIES, LLC.**

PATENT PENDING

WHY DIG THIS?

**Did you
know?**

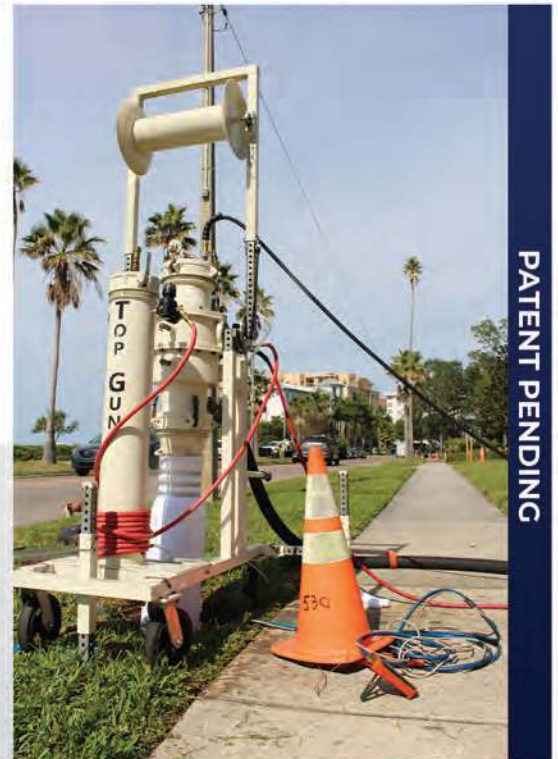
**The family of Insignia™ Hydrophilic Gasket
Seals is compliant with ASTM F2561, F3240
and F2599 for all CIPP lining**

STATE-OF-THE-ART, COMPACT LINING EQUIPMENT

- ✓ 6" TO 120" DIAMETER CIPP LINERS
- ✓ TRAINING PROVIDED BY EXPERIENCED CERTIFIED TECHNICIANS
- ✓ TECHNICAL SUPPORT
- ✓ MARKET COMPETITIVE PRICING
- ✓ DELIVERY SERVICE AVAILABLE
- ✓ REFRIGERATION TRUCKS AVAILABLE

FEATURING Manhole Edge Protector

High-density ABS plastic
Color fade built into the plastic
Temp -40 to 180F with no deflection
Safety orange identifying the site
Protects camera and jetter lines
Eliminate Top Edge Roller and top side tiger tail
Thermal protection
Helps prevent against cuts and bruises to personnel





















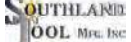








PATENT PENDING

**ZERO DIG CIPP TRENCHLESS TECHNOLOGY
WWW.PERMA-LINER.COM**

**TO LEARN MORE CALL
1-866-336-2568**

ADVERTISER INDEX

COMPANY	PAGE
3T Equipment Co. Inc.	103
ADS Environmental Services	43
 American Highway Products, Ltd.	81
American Pleasure Products, Inc.	83
American Shoring, Inc.	32
AMETEK Brookfield	24
 AMT Pump Company	10
AP/M Permaform	75
 Applied Felts, Inc.	13
 Aries Industries	11
Best Management Products, Inc.	10
Bright Technologies, Division of Sebright Products, Inc.	97
Bucher Municipal North America Inc.	20
 Cam Spray	103
CCI Pipeline Systems	87
Composite Access Products (CAP)	38
Crane Pumps & Systems	33
Cretech Specialty Products	20
 CUES	35
Cusco	23
 Duke's Root Control, Inc.	9
Edgewood Media Solutions, LLC	103
Emerson	14
 EnviroSight LLC	2
 Enz USA Inc.	71
Flomatic Valves	95
FlowMark Vacuum Trucks	91
 GapVax, Inc.	115
Generac Mobile Products, LLC	21
 General Pipe Cleaners/General Wire Spring	55
 Gorman-Rupp Company	63
Granite Inliner	15
Halliday Products, Inc.	111
 HammerHead Trenchless	25
Hermann Sewerin GmbH	32
Hurco Technologies, Inc.	109
 InfoSense, Inc.	91
Komline-Sanderson	73
Olsson	19
Pentair	29

COMPANY	PAGE
 Perma-Liner Industries, LLC	5
Petersen Products Co.	99
Pipeline Renewal Technologies	41
Pritchard Brown	85
 Pronal-USA, Inc.	77
 RapidView IBAK North America	49
Reed Manufacturing	93
Reline America, Inc.	93
SAERTEX multiCom	101
Sauereisen, Inc.	89
Schonstedt Instrument Company	37
Sealing Systems, Inc.	83
Sewer Equipment Co. of America by Sewer Equipment	57
Sewer Pro Shop, LLC	95
SmartCover Systems	53
 Sonetics	61
 Southland Tool Mfg. Inc.	69
Specialty Maintenance Products	79
Sto-Away Power Cranes, Inc.	99
 SubSurface Locators, Inc.	89
 Super Products LLC	67
 T&T Tools, Inc.	97
The Plug Hug LLC	8
The Strong Company, Inc.	31
 Tornado Global Hydrovacs Ltd.	59
Total Piping Solutions, Inc.	111
 Trench Plate Rental Co.	87
USB-USA LLC	102
Vacall	39
 Vector Manufacturing	3
 Vac-Con, Inc.	47, 116
VANAIR	24
Vaughan Company, Inc.	45
VEGA Americas, Inc.	65
Vivax-Metrotech Corp.	38
VMAC	14
 WinCan, LLC	7
CLASSIFIEDS	114
MARKETPLACE	112-113

MUNICIPAL SEWER & WATER

FOR SANITARY, STORM AND WATER
SYSTEM MAINTENANCE PROFESSIONALS

Published monthly by:

 COLE publishing

1720 Maple Lake Dam Rd., PO Box 220,
Three Lakes, WI 54562



www.mswmag.com

© Copyright 2019, COLE Publishing Inc.

Non part may be reproduced without permission of publisher.

In U.S. or Canada call toll free 800-257-7222

Elsewhere call 715-546-3346

Email: info@mswmag.com / Fax: 715-546-3786

Office hours Mon.-Fri., 7:30 a.m.-5 p.m. CST

SUBSCRIPTIONS: A one year (12 issue) subscription to *Municipal Sewer & Water™* in the United States, Canada and Mexico is free to qualified subscribers. A qualified subscriber is any individual or company in the United States, Canada and Mexico that maintains, manages, designs or installs municipal or commercial sewer, water and storm infrastructures. To qualify, visit www.mswmag.com or call 800-257-7222.

Non-qualified subscriptions are available at a cost of \$60 per year in the United States and Canada/Mexico. Subscriptions to all other foreign countries cost \$150 per year. To subscribe, visit www.mswmag.com or send company name, mailing address, phone number and check or money order (U.S. funds payable to COLE Publishing Inc.) to the address above. MasterCard, VISA, American Express and Discover are also accepted. Include credit card information with your order.

Our subscriber list is occasionally made available to carefully selected companies whose products or services may be of interest to you. Your privacy is important to us. If you prefer not to be a part of these lists, please contact Nicole at nicole.labeau@colepublishing.com.

CLASSIFIED ADVERTISING: Submit classified ads online at www.mswmag.com/classifieds. Minimum rate of \$25 for 20 words; \$1 per each additional word. All classified advertising must be paid in advance. **DEADLINE:** Classified ads must be received by the first of the month for insertion in the next month's edition. **PHONE-IN ADS ARE NOT ACCEPTED.** Fax to 715-546-3786 only if charging to MasterCard, VISA, Discover or AmEx. Include all credit card information and your phone number (with area code). Mail with check payable to COLE Publishing Inc. to the address above. **CLASSIFIED ADVERTISING APPEARS NATIONWIDE AND ON THE INTERNET.** Not responsible for errors beyond first insertion.

DISPLAY ADVERTISING: Contact Jim Koshuta or Kayla Bisnette at 800-994-7990. Publisher reserves the right to reject advertising which in its opinion is misleading, unfair or incompatible with the character of the publication.



Jim Koshuta



Kayla Bisnette

EDITORIAL CORRESPONDENCE: Send to Editor, *Municipal Sewer & Water*, P.O. Box 220, Three Lakes, WI, 54562 or email editor@mswmag.com.

REPRINTS AND BACK ISSUES: Visit www.mswmag.com for options and pricing. To order back issues, call Nicole at 800-257-7222 (715-546-3346) or email nicole.labeau@colepublishing.com. To order reprints, call Jeff Lane at 800-257-7222 (715-546-3346) or email jeff.lane@colepublishing.com.

CIRCULATION: 2018 average circulation was 37,385 copies per month (U.S. and international distribution).



www.facebook.com/MSWmag

www.twitter.com/MSWmagazine

www.youtube.com/MunicipalSewerWater

[www.linkedin.com/company/](http://www.linkedin.com/company/municipal-sewer-&-water-magazine)

municipal-sewer-&-water-magazine



Water & Wastewater Equipment,
Treatment & Transport Show
www.wwettshow.com

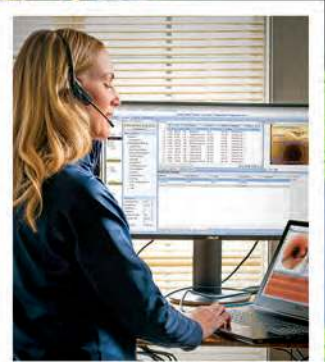
Education Day: Mon., Feb. 17, 2020
Exhibits: Tues.-Thurs., Feb. 18 - 20, 2020
Indiana Convention Center, Indianapolis, Ind.



Online Insight, Trusted Support

Share your sewer asset data on the cloud effortlessly and securely with WinCan Web. From the moment you sign on, our support specialists guide you toward better insight, better decisions and better teamwork. It's just one more way we never stop innovating.

www.wincan.com/web



THE RICH AND THE POOR

Educating your customers about the value of your water resources is the key to your future



FROM THE EDITOR

Luke Laggis

The yard on the north side of my house has been a barren stretch of dirt for years. Every spring I loosen the soil and spread enough grass seed to start a sod farm. By mid-July any early promise of green has returned to dusty brown.

My yard seems most adept at producing moss. At this point, I'd be happy if it would fully take over. Nonetheless, I made another attempt to grow some grass this spring.

I scratched up the top layer of soil, being careful not to harm the sparse little islands of growth (mostly weeds) that dot the area. Then I spread a generous amount of seed, worked it into the soil and spread a little more. And then, I watered. I actually timed it pretty well leading into a week of rain, but I took no chances. I still watered every day.

A week later there were signs of life. A week after that, the bright green growth was encouraging. But there were patches of dirt that had clearly rejected the seed. So I repeated the whole process in those areas and kept up my strict watering regimen.

It's been a month and a half now, and from a short distance away it looks like a lush carpet of fresh grass. When you stand in the middle of it, it looks more like a tattered scalp that just got hair plugs. But it's getting thicker and I'm still watering.

If you're still with me, you're probably wondering why I'm going on and on about my lawn. The point isn't that I'm turf-challenged; it's more that I'm water-rich. I think about it every day when I'm turning on the sprinkler.

We run so many stories in this magazine about utilities that are working to conserve water and ensure their supply for the future. It's incredibly important work, especially in areas of the West with growing populations and dwindling supplies. It's a different story here.

I'm lucky enough to live on a beautiful lake in northern Wisconsin. The water level has been steadily climbing higher over the past several years. The neighbor, who's been around a lot longer than me, says it's the highest it's been in at least 60 years. The water pressure from my well has even improved.

Still, as I stand in my lawn, I can't help but think about how much water I'm using for a 20-by-50-foot stretch of grass. Even though it's having no adverse impact, I feel a little guilty. I value the resource, but it's just not at all scarce where I live. And for many, I think, even if they do live in an area where resources are limited, we're so privileged to be able to turn on the faucet anytime we want and have clean, safe water flow out that it just isn't valued as it should be.

That's a battle you face, and education is your best weapon. Regardless of whether you're rich or poor in resources, teaching your customers to value those resources and treat them with respect is the key to a sustainable future.

Enjoy this month's issue. ♦

Comments on this column or about any article in this publication may be directed to editor Luke Laggis, 800-257-7222; editor@mswmag.com.

The Plug Hug

Fire Hydrant Cleaning System:

As Easy As ...



1



2



3

PURCHASE • RENT • FIELD SERVICES

Call for Details

Make Fire Hydrants "Paint Ready" in 2 minutes



THE PLUG HUG®



BEST NEW PRODUCT Award 2015

Clear Snow Covered & Plowed Under Fire Hydrants in 60 Seconds



Hydrant Snow Removal Conversion Kit

See Our Updated Website

www.ThePlugHug.com

719 313 2791

douglasmars@theplughug.com

www.facebook.com/theplughug

What you learn on these pages can save your community

\$1,000s.

It's all yours for — FREE.

Each issue will show you new techniques, tips on building a stronger staff, money-saving deals and much more.



Don't miss an issue!

www.MSWmag.com



Visit us at WEFTEC Booth #2605

SSO prevention starts here.

Duke's Razorooter® II is a diquat-based herbicide that is registered by the EPA for controlling roots in sewer lines.

Duke's has sewer root control down to a science. Nearly 40 years of experience, 300 million feet of treated sewer lines, and a quality guarantee make Duke's the root and grease control company you can count on. This long-term success is possible because of what happens behind the scenes. Duke's trained team of experts in the laboratory, on the street and in the office constantly work to develop the best products, deliver world-class customer service and ensure every application is successful. Guaranteed. **Visit dukes.com or call 1-800-447-6687 today.**

Sewer root control done right.



ENGINE DRIVEN DIAPHRAGM HIGH PRESSURE/FIRE SELF PRIMING ELECTRIC STRAIGHT CENTRIFUGAL HVAC/BOOSTER COOLANT SUBMERSIBLE DRUM PUMPS



A Gorman-Rupp Company



The Pump People.

Please visit us at www.amtpump.com

ENGINE DRIVEN DIAPHRAGM HIGH PRESSURE/FIRE SELF PRIMING ELECTRIC STRAIGHT CENTRIFUGAL HVAC/BOOSTER COOLANT SUBMERSIBLE DRUM PUMPS

The Quality Stormwater Management System.

With BMP's advanced products—like the SNOUT® and the Bio-Skirt®, reducing pollutants in stormwater runoff has never been easier.



Best Management Products

The Stormwater Quality Experts

Made in the USA with over 70,000 SNOUTs installed since 1999.

For more information on how our system can solve your stormwater quality issues, contact us at [800.504.8008](tel:800.504.8008) or visit us at bmpinc.com.

delivering **POWER**



PAN & TILT
CAMERA

PATHFINDER
SERIES TRACTOR

PORTABLE
REEL

ALL-IN-ONE
CONTROLLER

MOBILE PATHFINDER INSPECTION SYSTEM

©2019 ALL RIGHTS RESERVED

Efficient Mainline Inspection

The versatile Mobile Pathfinder System gives you the power to easily navigate and assess pipes 6-inches or larger. The compact, portable mainline inspection system includes everything you need to accurately assess mainline pipes:

- Rugged Pathfinder tractor with remote-controlled camera lift and rear viewing camera
- WiperCam Pan & Tilt camera with self-cleaning lens for full visibility
- Lightweight 1000' reel
- All-in-one remote control

Contact Aries to learn how the Mobile Pathfinder can help you raise the bar underground.

Visit us at this
upcoming show:



CHICAGO
SEPTEMBER 21-25, 2019
BOOTH #1864

@mswmag.com

Visit the site daily for new, exclusive content. Read our blogs, find resources and get the most out of *Municipal Sewer & Water* magazine.

OVERHEARD ONLINE

“Effective storm-water management in our cities and along our highways affects nearly every person every day.”

— American Society of Civil Engineers
to Grade Stormwater for First Time
mswmag.com/featured

INTO THE FIRE

Losing Large Ratepayers

Things were looking great for the Three Lakes (Wisconsin) Sanitary District (TLSD) after it was approved for a federal program that allowed it to do \$4 million in upgrades for only \$1.6 million in fully subsidized loans. But that good feeling wouldn't last, as only a few years into its 20-year loan repayment plan, the district lost two of its largest commercial ratepayers to fire. Read about small-town wastewater woes in this online exclusive article. mswmag.com/featured



CIPP JOBS

Choose the Right Resin

If you've ever installed a liner only to see it melt, sag and plug the sewer pipe you lined, this online article about choosing the correct resin is for you. The article explores the differences in resin formulations and why some have high heat deflection temperatures (HDT) and others don't. mswmag.com/featured

EQUIPMENT REPLACEMENT

Standardize Your Approach

There are a few different ways to go about determining when a piece of equipment needs to be replaced. It doesn't have to be rocket science, but it does have to be based on some hard data. Mike Vorster, owner of C.E.M.P. Central Inc., says that once you understand which metrics you want to evaluate, there are some relatively simple tools that can guide the decision-making process.

mswmag.com/featured



Emails & Alerts

Visit MSWmag.com and sign up for newsletters and alerts. You'll get exclusive content delivered right to your inbox, and you'll stay in the loop on topics important to you.



Join the Discussion

Find us at:

facebook.com/MSWmag

twitter.com/MSWmagazine

WE HAVE YOU COVERED.
NO MATTER WHAT
TYPE OF JOB
YOU NEED TO DO.



APPLIED FELTS

YOUR SUCCESS IS OUR SUCCESS™



AQUACURE PW

Multi-layer polyester felt/fiberglass hybrid liner
optimized for potable water applications



Applied Felts manufactures custom CIPP liners and calibration tubes for gravity sewer mains, pressure pipe, force mains, potable water, storm sewers and laterals, including vertical applications. We work with you to identify and match the finest PE or PP fibers; PU, PVC, PUXR or PP coating polymers; fiberglass and other raw materials; and your choice of ambient, water, steam or UV cure, giving you more choices than ever before.

We also make your job easier with pre-impregnated liners from one of our regional wet-out facilities.

No matter what your unique project demands, we've got you covered. **Visit appliedfelts.com**

Visit us at WEFTEC Booth #2902

UNDERHOOD™ AIR COMPRESSORS FREE UP SPACE



- FREE UP TO 80 CUBIC FEET
- REDUCE VEHICLE GVW BY UP TO 1,900 LB
- 5 MODELS: 30 TO 140 CFM

VMAC
AIR INNOVATED

VMACAIR.com/UNDERHOOD

Emerson Fluid Control Solutions for Water Treatment



Emerson recognizes the need for flexibility in equipment design with proven performance and reliability. Our newly designed ASCO™ lead-free brass solenoid valves feature a broad range of pipe sizing, from 1/8 to 2 inches, to fit any specification. They also carry third-party approvals to comply with the EPA's SDWA section 1417, so our customers know their equipment will meet the industry's strict requirements for safety.

Learn more at: emerson.com/leadfree

ASCO™

The Emerson logo is a trademark and service mark of Emerson Electric Co. The ASCO trademark is registered in the U.S. and other countries. © 2019 Emerson Electric Co.


EMERSON

CONSIDER IT SOLVED™



GRANITE[®] *inliner*[™]

Building Value Together

Granite Inliner delivers unparalleled service and value through the legacy of Inliner Technologies—leveraging the combined strength of these two leaders in the North American infrastructure renewal market.

Composed of some of the industry's original pipeline renewal companies, Granite Inliner has a long history of delivering value to communities throughout the U.S. and Canada.

Most notably, the people that brought you Inliner Technologies and its flagship Inliner® CIPP and Inliner STX® UV-cured pipe lining, now proudly stand behind the Granite Inliner name.

With 18 offices and more than 800 employees, our team is poised to reshape the trenchless rehabilitation market, one system at a time.

Contact Granite Inliner today to learn how we can partner to design and fulfill your next water, storm or wastewater pipeline renewal program.



CORE SERVICES

- Cured-in-Place Pipe (UV Cure, Steam & Water)
- Cured-in-Place Laterals & Sectionals
- Cured-in-Place Pressure Pipe
- Liner Tube Manufacturing & Supply
- Geopolymer
- MH Renewal
- Program Management
- Alternative Project Delivery

As of June 2018, Granite Inliner became a wholly owned subsidiary of Granite Construction (NYSE:GVA) as part of its Water and Mineral Services Group. Granite is one of the nation's largest infrastructure contractors and construction materials producers. Granite specializes in complex infrastructure projects, including transportation, water and federal contracting, and is a proven leader in alternative procurement project delivery. For more information, visit graniteconstruction.com.

Granite is America's Infrastructure Company™



www.granite-inliner.com
812.865.3232



Princeton (Texas) wastewater crew lead Leston Dhane watches the monitor on a PipeHunter inspection camera during a residential sewer lateral inspection. The department offers this service free to Princeton residents. (Photography by Olivia Ogren-Hrejsa)

GROWTH OF A SYSTEM

Small Texas community's collections system expansion stays ahead of rapidly rising population

By Erik Gunn

To say that Princeton, Texas, is growing is something of an understatement.

The city's population is on track to top 16,500 people by 2020 — 2 1/2 times the 2010 census count of 6,800. And the trend shows no sign of ending soon.

Princeton's population explosion has been putting pressure on the community's infrastructure and its utilities. Nowhere is that more evident than in the city's Sewer Division.

And the city has stepped up to the challenge, says Tommy Mapp, Public Works director. Princeton is undertaking a long-term plan to replace

old lines while it also installs new lines to meet the continued expansion. It has shifted from reactive maintenance to a new preventive maintenance schedule. And it's preparing to implement a new asset management program next year.

Instituting CMOM

Princeton is located in north-central Texas about 33 miles northeast of Dallas. The community's growth has been driven largely by an influx of new residents, many of them commuters working in Dallas and other nearby communities. In

addition, commercial growth to serve the burgeoning market has added to the expanded population, Mapp says.

Princeton doesn't treat its own wastewater but instead conveys it via a lift station to the North Texas Municipal Water District, which supplies



The city of Princeton is booming. Many new subdivisions, including the Timineri subdivision where the utility's newest lift station is located, are under construction in the town.

“Things can change from year to year so that something we were going to do in year five is all of a sudden something we’re going to have to do in year one.”

Tommy Mapp



Wastewater technician Bryce Skotnicki (left) and crew lead Leston Dhane log the condition and cleanliness of a sewer main prior to cleaning. This is the department’s policy every time a manhole cover is opened.

water and also provides wastewater treatment to several cities in the region. The lift station currently has a capacity of 4 mgd but is undergoing an expansion that will initially double its capacity, with room to grow in the future.

Several years ago, the U.S. Environmental Protection Agency inspected the municipal water district, then followed up with inspections of the individual member municipalities’ operations. One result was an administrative order requiring several cities, including Princeton, to establish capacity, management, operation and maintenance programs.

Scheduled maintenance

Princeton’s city management and Public

Works engineers responded with a plan for inspecting the system.

“That also changed the way we focused our efforts in preventive maintenance,” Mapp says. Princeton officials carved the city into four quadrants and divided in two the quadrant with the heaviest concentration of lines and other infrastructure — creating a total of five sectors. Then it put the inspection and cleaning on a five-year cycle, working through one sector — 20% of the system — per year.

“If we have a problem area, we can put it on a monthly or weekly cleaning schedule, depending on what the issue is, until we get the pipe replaced.”

The department also instituted a five-year capital improvement project plan. “Every year

we reevaluate and reassess which portions of that CIP project are the highest priority,” Mapp says. “Things can change from year to year so that something we were going to do in year five is all of a sudden something we’re going to have to do in year one.”

When more immediate problems arise, the city’s response “really depends on the severity of the issue,” he adds. Some can be prioritized into the regular five-year plan, he explains. “But if an emergency comes up — a collapsed sewer main or something like that — we have funds set aside for emergency repairs.”

Except for regular flow studies on the system, which are conducted by an outside contractor, the inspection and maintenance program is largely handled in-house. Princeton has acquired two cameras: a push camera from PipeHunter and a Prowler tractor camera from UEMSI/HTV. The sewer division’s three crew members conduct the camera inspections between their normal service assignments.

Focusing on inflow and infiltration

The oldest portion of the wastewater collections system dates back to the early 1940s and was built with clay tile pipe. Where the system is growing to accommodate new construction, PVC is being used.



PROFILE:

City of Princeton, Texas, Sewer Division

CUSTOMERS:

4,800 wastewater connections;
estimated city population of 12,822 (2018)

SERVICE AREA:

City limits of Princeton; also provides service to nearby city of Lowry Crossing and to Collin County Municipal Utility District No. 2

INFRASTRUCTURE:

64.4 miles of gravity mains;
1.8 miles of force main

TREATMENT CAPACITY:

Wastewater is conveyed to the North Texas Municipal Water District for treatment via a 4 mgd lift station owned by the North Texas district. The station is being upgraded to 8 mgd, expandable to 12 mgd when needed.

EMPLOYEES:

3 (Sewer Division)

OPERATING BUDGET:

Fiscal year 2018-19: \$1,579,978; fiscal year 2019-20 (proposed): \$1,746,143

WEBSITE:

www.princetontx.gov/departments/public-works/sewer-division



Bryce Skotnicki (left) and Leston Dhane clean a sewer main using a PipeHunter combination truck.



The Princeton wastewater crew includes (from left) crew lead Leston Dhane, Director of Public Works Tommy Mapp and Public Works Superintendent Preston Jones.

So far, the city has not tried any trenchless repairs, although it is studying the possibility. But because the old lines are mainly getting upsized when they're replaced, neither pipe bursting nor lining would be satisfactory, Mapp says. "It's usually cheaper to just go ahead and replace them with the larger pipe to accommodate future growth that we're going to have anyway than it is to have to replace it twice."

In the process of rethinking its approach to inspection and maintenance, Princeton also became more systematic in its approach to I&I.

The city has two kinds of I&I problems, Mapp says.

Some of them are in the clay tile pipe serving older residential portions of the city, including some mobile home parks. About 25% of the clay tile has been replaced with larger PVC pipe so far; the city's long-range plans call for replacing all of the clay eventually.

But the other I&I problem has been cropping up in new construction.

As new residential areas are developed, water and wastewater utilities go in first, he explains. Subsequently, electrical, telephone and natural gas service are put in, and that's where the trouble has occurred.

Installers of the other services had been breaking off sewer clean-outs by accident while doing their work, Mapp says. "Those clean-outs became a source of I&I."

To resolve the broken clean-out problem, "We really have to stay on top of the developers," he adds. "As soon as we notice one is broken or damaged, we repair it."

Beyond that, the city has implemented a new procedure for additional — and immediate — inspections: first after the city sewer and water utilities are installed and then after the other services are installed. "That way we can hold accountable those who have caused the damages."

Keeping pace

Princeton recently contracted to implement the Incode asset management platform from Tyler Technologies, with the enterprise system expected to go online sometime next year, Mapp says. The platform includes integration with the city's GIS maps.

"That's really going to help us utilize the employees' time more efficiently out in the field," he points out. Among other things, the system will allow the utility to assign new service orders to employees when they're still out in the field on an earlier job, enabling them to go straight to the next order rather than driving back to the office and then driving back out again.

Another feature will allow city residents to report Public Works problems of any kind — not just the wastewater collections system — using their smartphone.

“The software also includes a preventive maintenance schedule, so like for our lift station, we can say every three months to go out and replace the oil in the pumps and it will automatically generate a service order to the department.”

Future growth remains “kind of tricky to calculate,” Mapp says. A 20-year outlook forecasts

13.6% annual growth for Princeton, “and last year we grew 30%,” he observes.

But for now, the sewer division has managed to keep pace with the growth, and Mapp doesn’t seem worried that it will get too far ahead of the operation.

Along the way, the entire department has worked to improve its reputation in customer service.

Princeton did that “through coaching on our side and really encouraging our employees,” Mapp says. Special training classes have helped department employees understand the importance of good customer service.

“It’s a slow process,” Mapp says. “But it’s working.” ♦

GETTING THROUGH THE FOG

Like many municipal sewer utilities, the city of Princeton, Texas, continues to struggle with FOG — fats, oils and grease.

And as in many locations, the culprit is in part the local restaurant industry, where grease traps left unattended can result in the buildup of FOG in sewer pipes.

But Princeton doesn’t just target restaurants. The city is also working to enlist homeowners to help combat their own contribution to the FOG mess.

The Princeton Public Works Department includes an environmental education coordinator whose job is to help the public understand not just that problem, but others such as inflow and infiltration as well, says Tommy Mapp, the department’s director.

The city employs a variety of channels, including bill stuffers, classes and social media to get the word out. A mock-up of a grease-clogged pipe to show the public exactly what FOG does is another tool, Mapp says.

Classes on FOG convey the message: Don’t let FOG go down the drain. Wipe out pans with paper towels, and filter cooking oil to reuse it if you can.

The Public Works Department — which is also responsible for solid waste collection working with a private contractor — has established a drop-off point at its offices where consumers can leave their accumulated grease. Residents can also call for pickup, Mapp says.

So far, the classes have mostly drawn residents, rather than restaurant owners and other operators of businesses that tend to generate FOG problems.

“So we’re going to try to alter the way we communicate with those businesses,” Mapp says — perhaps with on-site training at restaurants to persuade the operators to take a more proactive approach to the problem and maintain their grease traps regularly, “and not just when they have to.”

FEATURED PRODUCTS FROM:

Generac Industrial Power
888-436-3722
www.generac.com
(See ad page 21)

PipeHunter, Inc.
800-373-1318
www.pipehunter.com

Tyler Technologies
972-713-3700
www.tylertech.com

UEMSI/HTV
877-389-9999
www.uemsi.com



olsson[®]

We’re Olsson, engineers who understand that where there’s a project, there’s a purpose. Discover how green infrastructure like Clear Creek is helping the environment at **olsson.com**.

THE CHOICE IS EASY



VS



weftec | 2019
Booth 521

25
year
WARRANTY

CONCRETE

- Heavy
- No warranty
- Unreliable
- Prone to breakage
- Safety concerns
- Short lifespan
- More expensive over time
- Multiple angles not achievable

*Get the best value in
manhole grade adjustment
systems....*



PRO-RING

- Lightweight
- Industry leading 25 year warranty
- Reliable-50 year design life
- High strength & traffic rated
- Safer to install
- Durable
- Less expensive over the long haul
- Variety of heights and angles

800-345-3764 • info@cretexseals.com • www.cretexseals.com

For a safe and clean city

Welcome, we are open!



Bucher Municipal Center of Excellence

Welcome to a brand-new concept, unique in North America. An all-in-one solution that provides you with the best customer experience in the industry.

In here, you will find:

- Sales
- Service
- Spare parts
- Training
- Demos
- Show-room

for top-of-the-line Sweepers, Sewer Cleaning and Winter equipment.



Sweeper Equipment



Sewer Cleaning Equipment



Winter Equipment

Bucher Municipal Center of Excellence • 1551 S Vineyard Ave, Ontario, CA 91761
info.bmna@buchermunicipal.com • www.buchermunicipal.us

BUCHER
municipal

POWERFUL & QUIET

Generac Mobile trash pumps are designed with municipal works in mind, with sound attenuation that allows for operation in the most sound-sensitive environments. Robust and reliable Cornell® pump ends and industry-leading suction height allow you to get primed and running faster, and more efficiently. Easy-to-use controls and run-dry technology automate operation and make your job easier.

AVAILABLE IN 4X4, 6X6 AND 8X8 INCH



Contact us, or visit us online, for more information on our full line of mobile equipment solutions.

LEARN TO SPEAK UP

Honestly and respectfully disagreeing with managers trumps the sound of silence

By Ken Wysocky

We invite readers to offer ideas for this regular column, designed to help municipal and utility managers deal with day-to-day people issues like motivation, team building, recognition and interpersonal relationships. Feel free to share your secrets for building and maintaining a cohesive, productive team. Or ask a question about a specific issue on which you would like advice. Call editor Luke Laggis at 800-257-7222, or email editor@mswmag.com.

So you're in a meeting and your boss tasks you and your team with a major project — and a totally unrealistic timeline. Should you suffer in silence and resign yourself to failure before the endeavor even gets off the ground? Or should you speak up and tell him or her it's tantamount to mission impossible, then wait for the inevitable recriminations — perhaps even lose your job?

“Managers and other company leaders need to do their part to create an atmosphere where they invite people to ask questions — challenge assumptions and perspectives.”

Justin Hale

Actually, there's a third option that involves a more middle-of-the-road approach that actually might garner some respect from your boss instead of a demotion or a pink slip. And like so many things in life, success depends on how carefully you frame your concerns, says Justin Hale, employee-development consultant.

But before we delve into strategies, consider that most employees overplay the risk of managerial recriminations, says Hale, a master trainer and speaker at VitalSmarts (www.vital-smarts.com), a leadership-training company based in Provo, Utah. And while it's tempting to follow our natural instincts to avoid conflict, it also behooves employees to assess the risks of remaining silent.

“We typically overestimate the short-term cost of speaking up and don't calculate at all the long-term consequences of *not* speaking up,” he asserts. “Whatever you're permitting, you're promoting: You're sending a message to your leaders that they can give you impossible deadlines and impose impossible workloads on your staff, which in turn promotes turnover and crushes morale.”

Common problem

Moreover, realize that you're not alone in your

reticence to speak out. “It happens all the time,” Hale says. “I think that across many industries, how to speak truth to power definitely is one of the five most common conversations people struggle to hold.

“And it doesn't help that we often see other people fail at these conversations so all we have to go on are bad models for how to handle them,” he adds. “That just perpetuates a belief that those kinds of conversations can't be held. Or that we shouldn't even try because the likelihood of success is low.”

A study performed by VitalSmarts, called *Silence Fails*, backs up Hale's assertion. The study showed that only 14% of roughly 1,000 employees surveyed at a wide variety of companies spoke up and felt skilled at doing so when confronted with unrealistic project expectations. “We found a pervasive and persistent problem of silence,” he says.

Another interesting factor: When presented with hypothetical situations, most employees overestimate how they'd react. “They see themselves as truth-bearers, but most fail to act when they actually face that kind of situation,” he notes.

Ingrained behavioral patterns

Why does this happen so often? Hale says part of it is societal programming that begins in childhood, when we're repeatedly told that if we have nothing nice to say, we shouldn't say anything at all. Or that we shouldn't hurt peoples' feelings. Or that disagreeing with colleagues or superiors make us less of a team player.

“It's not like all of that just goes away,” Hale points out. “We call it the fool's choice, in which we foolishly convince ourselves that it's an either/or situation — either be nice (silent) or speak out forcibly and be reprimanded. Then we feel like martyrs and think, ‘I *knew* that would happen if I spoke the truth.’”

Furthermore, many organizations perpetuate this code of silence by creating company cultures that discourage healthy debate, new perspectives and innovations. “Managers and other company leaders need to do their part to create an atmosphere where they invite people to ask questions — challenge assumptions and perspectives,” Hale explains.



In fact, sometimes it's better for managers to not even share their views when proposing a project or initiative because employees tend to take the path of least resistance and agree with the managers' perspectives. In behavioral psychology, Hale says, the concept is known as anchoring, because the manager's opinion "anchors" the ensuing discussion, which in turn limits employees' willingness to share divergent ideas.

Breaking the silence

So what's the best way to go about disagreeing with a superior? First of all, don't buy into the fool's choice. "It's just not true that you have to choose between being honest and being respectful (silent)," Hale emphasizes. "There's a place where you can be both."

It's important to first establish a psychological safety zone by telling the manager that you care about the project or initiative as much as they do. "Something along the lines of, 'I want you to know that I want this project to succeed — it's a huge opportunity,'" Hale suggests.

That helps defuse the defensive reaction that often occurs because a manager misperceives the messenger's intent. Next, ask for permission to express a few concerns.

"It's rare to have a manager who doesn't want to hear any feedback," Hale says. "Instead of telling a manager that they're naïve, tell them you're concerned because, for instance, the last time we tried an initiative like this, it took six months and you now want to do it in three."

It's also critical to stick to just the facts. Most people fail at this because instead of calmly and rationally laying out a case based on just cold, hard data, they blurt out a critique built on biases, opinions and emotional interpretations, he notes.

"As a result, when you speak that truth to power, it's more likely the power will get defensive," Hale says.

After expressing your concerns, be open to any ensuing dialogue — engage in a reasoned discussion about timelines, budgets and employee resources required to accomplish the proposed initiative. And realize that, ultimately, it's the manager's decision, not yours.

Also, don't wait too long to voice concerns, as you don't want a manager to ask why you didn't speak up sooner, Hale adds.

The best policy

Hale cautions against being "brutally honest," pointing out that there's nothing in the definition of "honest" that involves brutality. "When people say they want to be brutally honest, they're usually more intent on being brutal than honest," he says.

"Honesty is about clarity and specificity — legit-

imate sharing of facts," he concludes. "Always be as honest as you can, as long as you're sharing just facts."

The onus is also on managers to encourage healthy dissent. Hale says that teams and individuals who work in a culture of candor and transparency outperform their peers. And when people feel heard, they're also more likely to stay on the job, too. So learn how to speak up and voice truth to power. It's much better than the sound of silence. ♦



CUSCO'S SEWER JETTER

The underworld can be a dirty place, but Cusco's new Sewer Jetter obliterates blockages to keep you up and running when you need it most. This industry-leading truck performs major cleanups by excavating debris with a 26 ft. boom reach and a 176° boom rotation to reach every clog, every time. Outfitted with quality components and reverse engineered for optimal weight and payload with a superior operator control system, the Sewer Jetter is packed with features and benefits to outlast the competition.



Boom Rotation



Boom Reach



CA Max. Maneuverability

CUSCO
wastequip-cusco.com

Power To Go™ For Your Cab & Chassis



Vanair's PTO underdeck systems provide the power combination you need for applications such as: air excavation, CIPP, grouters, pipeline relining, cutters, and sewer inspection equipment



AIR COMPRESSOR
Up to
210 CFM



GENERATOR
Up to
12 kW



HYDRAULIC PUMP PAD
Torque output up to
77 Ft. Lbs.



ALL THREE
In any
Combination

Why PTO?

Half the price of a tow-behind | Extra bed space
Increased maneuverability | Tier 4F Compliant
Less maintenance | Freed up hitch | Reduced weight



VANAIR
MOBILE POWER SOLUTIONS™

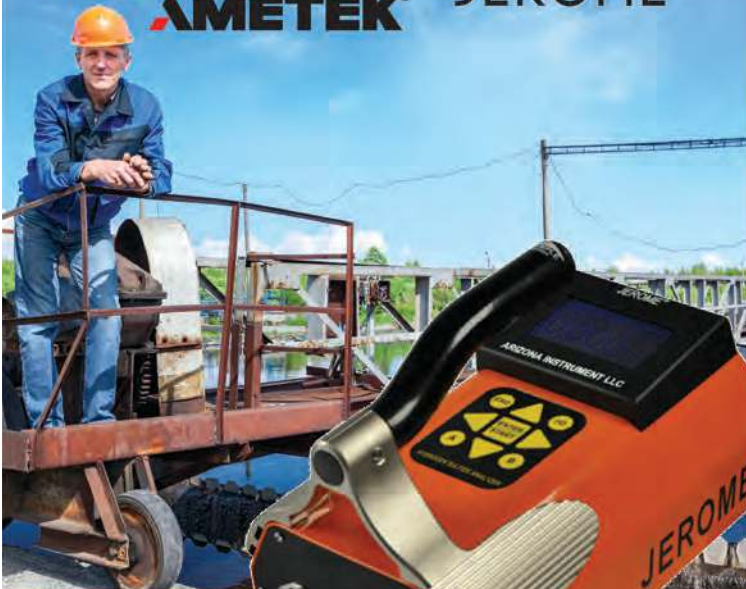
Vanair's **There**

[Youtube.com/VanairManufacturing](https://www.youtube.com/VanairManufacturing)

Put Vanair's Mobile Power Solutions™ To Work For You: 800.526.8817 vanair.com



JEROME®



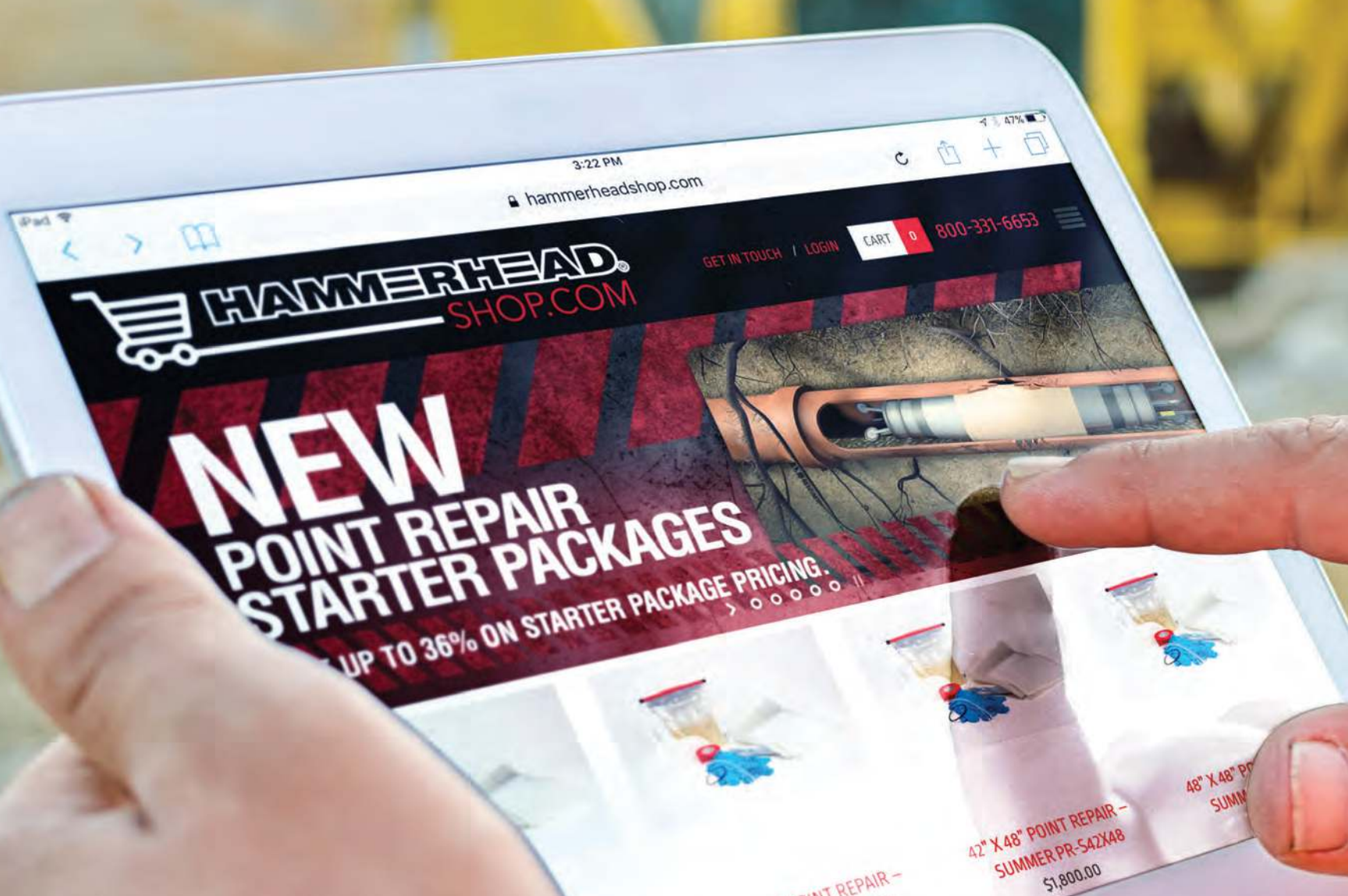
Rugged & Reliable Nuisance Odor Monitoring

Complaints about hydrogen sulfide odors can lead to citations, penalties or worse. Keep on top of H₂S odors with a Jerome®. The J605 can detect H₂S at concentrations as low as 3 parts per billion with a resolution of 20 parts per trillion and store data for up to 20,000 samples. It also has a battery life of 18 hours and is equipped with an intuitive interface that makes operation a breeze.

azic.com/tpo

weftec | 2019
Booth 1820

**CONTACT A SALES REP
TODAY 602.529.3851**



UPFRONT ONLINE PRICING, NO SURPRISES.



To us, 'customer service' means not only providing you with technical support and expertise, but also making sure you have the quality supplies and equipment you need to get the job done. That's why we've made purchasing trenchless solutions easier than ever. Our industry-leading online store offers CIPP lining equipment and supplies, point repair solutions, cleaning and reinstatement tools, and other trenchless solutions, all available at your convenience with honest, upfront pricing. Get what you need, when you need it. www.hammerheadshop.com.



YOUR SINGLE SOURCE FOR TRENCHLESS REHABILITATION & REPLACEMENT.
visit hammerheadtrenchless.com or call 800.331.6653

THE PERFECT BLEND



Operating a small Connecticut water system is a real balancing act for former regulator

By Pete Litterski



Crew member Bill Dornfried with the Berlin (Connecticut) Water Control Commission flushes a hydrant at the dead end of a local street. (Photography by John Marinelli)

Ask about the source of the water delivered by the Berlin (Connecticut) Water Control Commission and the answer you get might be summarized by the classic option found on a multiple choice exam: D) All of the above.

With 2,700 of its own customers as well as another 1,000 customers in the Worthington Fire District, the BWCC operates a system that relies upon its own wellfield as well as pretreated water from several neighbors that draw water from reservoirs and aquifers in a closely managed network that bridges municipal and service area boundaries in southern Connecticut.

Ray Jarema, water control manager at the BWCC, says the two active wells in the town's Elton wellfield could meet nearly all of the daily demands of the system's customers, but the water utility instead purchases close to half of its water from two neighboring systems in order to better manage its resources.

Multiple sources

In 2018, BWCC produced about 57% (approximately 203.7 million gallons) of its water while purchasing about 39% from the New Britain Water Department and 4% from the Cromwell Fire District. The BWCC also has a connection with the Metropolitan District Commission, a regional utility providing water and wastewater services for more than a dozen cities and towns in the Hartford area.

And while the Metropolitan District Commission brings a large part of the Hartford region under one umbrella for water and sewer services, in the town of Berlin the BWCC is just one of three agencies serving the public. In addition to his own employer, Jarema says, there are two fire districts that have historically served as the water suppliers for parts of the town.

"Worthington and Kensington are fiercely independent," Jarema says. Although they were originally formed to organize fire protection services in rural Connecticut, over the years many fire districts were granted legislative franchises to operate utility systems, as well. Today, Worthington contracts with BWCC to handle all of its water supply needs and Kensington contracts directly with New Britain.

The BWCC looks to its larger neighbors to contract the production of a large share of its water, with the New Britain water coming from a reservoir and treatment plant on the border between the two towns that are considered outlying suburbs of Hartford.

On top of that, BWCC is in the process of

"We had a perfect blend. Qualitywise it was coming out the way I wanted it."

Ray Jarema

establishing a potential physical connection with the Meriden Water Division to the south. Jarema says this arrangement is being considered with an eye to the future as denser development moves toward the Berlin area.

In addition to serving the water needs of a large part of the town of Berlin, the BWCC also provides wastewater collection services for the entire town. Although many property owners still use onsite septic systems for their wastewater, Jarema's department oversees 37 miles of sewer lines and 10 pumping stations that collect approximately 1 billion gallons of wastewater per year and delivers it to the Mattabassett District Water Pollution Control Facility. That treatment plant processes wastewater from New Britain, Berlin, Cromwell, Middletown, Newington, Rocky Hill and Farmington before discharging treated effluent into the Connecticut River.

The BWCC system

For its water customers, the BWCC currently has two pumps in use as well as chlorination and fluoridation equipment at the wellfield, 47 miles of water mains and a 2 million-gallon storage tank.

(continued)



PROFILE: Berlin (Connecticut) Water Control Commission

CUSTOMERS:
2,700 in district, 1,000 in neighboring district

WATER SOURCES:
Two wells owned by BWCC, treated with fluoridation and chlorination at wellfield

SUPPLEMENTAL WATER:
Wholesale supplies from two neighboring utilities, backup connections with two more

WATERLINES MAINTAINED:
47 miles

STORAGE:
One 2 million-gallon storage tank

The commission's own production comes from two gravel-packed wells each rated at 350 gpm but operating at levels below that rate. "We can produce up to 1 mgd if we want to," Jarema says. "But we generally run lower than that."

Elton Well No. 2A is 95 feet and went into service in 1996. It was rehabilitated and resurged in 2017. Elton Well No. 1B replaced Well No. 1A in 2017. Although the BWCC had some concerns about the contamination of its groundwater in the 1970s, it was able to manage the situation and continues to do so now.

Early in the use of the Elton wellfield, tests came back showing one well contaminated with trichloroethylene. Jarema says that because the contamination was found in just one of two wells and because the levels of the chemical have steadily decreased, "We know it was a one-shot contamination."

He says the trichloroethylene levels have always tested lower than the limits set by state and federal regulators. Even though he has managed BWCC for five years, Jarema is fully aware of the utility's track record on managing the situation because for much of his 40-year career with the state, he was the chief engineer of the drinking water division of the Connecticut Department of Health.

In 2017, when BWCC replaced one well and resurged another, Jarema says he and his staff watched closely to make sure tests didn't show any new problems. Before the updates, he says, "We had a perfect blend (between the new wells



Superintendent Wayne Bugay (left) and Mike Perzanowski check the operation of Elton Well 2A, consisting of a US Motors and Crane Pump system. This is the utility's largest well, producing approximately 350 gpm.

and the purchased water). Qualitywise it was coming out the way I wanted it."

After the wells went back online in 2017, the test results were even better. "We had been well below standards, but coming out of the Health Department, I thought it was better to get it down to nondetect," Jarema says. "The two wells are

always used together, and the resultant blend is nondetectable, our goal."

And that is where the numbers now stand, with trichloroethylene readings averaging 0.0009 mg/L, far below the Environmental Protection Agency standard of 0.005 mg/L.

Benefits of blending

In addition to blending the well water, Jarema says the careful blending of that water with the treated water purchased from other systems gives BWCC customers the best possible combination of quality and costs. He says the approach also helps the town in its long-term planning because it makes use of the most accessible water supplies while giving the system the capacity to accommodate growing demand as more people build homes in the semirural areas of town.

Adding the new connections with the Metropolitan District Commission and Meriden Water Department gives the BWCC a buffer against any potential future setbacks with its own groundwater supplies. If the town's aquifer were to be somehow tainted by chemicals or other pollutants, the new connections will give Jarema the ability to quickly secure bulk water supplies and maintain service to BWCC customers without interruption.

The backup connections can also be important when production slows in either of the BWCC wells due to siltation in the gravel pack that holds back the fine sand and silt that might denigrate

(continued)



A new Generac generator is placed on its pad at the Elton Road wellfield, assuring continued operation during power losses.

Cutting Edge Performance. **FOR LIFE.**

Clogged municipal wastewater collection systems can be costly in both time and operating expenses.

For decades, the challenges have continued to grow as more foreign debris including anything from construction materials to FOG (fats, oils and grease) to disposable wipes are entering municipal sewer systems.

It's time you get a cutting edge to combat clogs.

Explore the latest advancements in grinder pump technology.

Download our **FREE** White Paper.
PENTAIR.COM/CUTTING-EDGE



PENTAIR MYERS V2 SERIES GRINDER PUMPS
Featuring patented axial cutter technology



The BWCC team includes (from left) Ray Jarema, Wayne Bugay, Mike Perzanowski, Charlie Satkowski and Bill Dornfried.

water quality. Jarema says that when flows do slow on a commission well, his crew is often able to restore production by resurging that well with reverse pressure. But after several such procedures, the renewed flow rates are no longer sufficient and the commission then drills a new well. Because of the permitting, labor and testing required to establish a new well, BWCC's production capacity can fall off for months, making the

interconnectivity with other water utilities an important asset.

To operate both the water system and the collections system, Jarema has a staff of four full-time operators. He says all of the operators have dual state certification in both water treatment and water distribution, affording him the maximum flexibility in assigning staff as needs arise. ♦

FEATURED PRODUCTS FROM:

Crane Pumps & Systems

937-778-8947
www.cranepumps.com
(See ad page 33)

Nidec Motor Corporation

888-637-7333
www.usmotors.com

Generac Industrial Power

888-436-3722
www.generac.com
(See ad page 21)

A ROOKIE ONCE MORE

Just a glance at Ray Jarema's resume will tell you that he is a longtime professional in the drinking water industry, but in some ways the water production manager at the Berlin (Connecticut) Water Control Commission is a rookie learning a new role on the job.

Jarema was a state regulator for 40 years, serving as the chief engineer of the drinking water division at the Connecticut Department of Health. It was his job to oversee testing and regulation of water utilities throughout the state, including the water system located just 2 miles from his home.

After retiring from the state, Jarema planned to launch a consulting firm before he learned the BWCC was seeking a new manager. He applied for the job and was hired five years ago on a half-time basis. Jarema says he was confident about taking the new job because "I regulated this utility for years."

Although he is pleased with the transition to his new role, Jarema says it has been challenging because he not only has to keep an eye on water quality, but on many other issues from pipeline maintenance, equipment

purchases and personnel to long-term planning. "It's very hands-on. It's operational, but it's also financial."

Now when a problem arises, the civil engineer has to consider a number of concerns including the oversight of the eight-member board that governs the utility. He needs to be ready to answer board members' concerns, explain his decisions and help them steer the future of the town's water supply. He also needs to be able to operate the utility under a budget approved by the board.

Even when wells are flowing as expected, water quality is high, and the distribution system is functioning well, Jarema has learned that he needs to keep an eye on things in order to keep the system on an even keel. He spends much of his time planning for new connections, the relining of aging waterlines, replacing key mechanical equipment, and the operation of the commission's sewage collections system, which also falls under his purview.

Strong-Seal[®]

SYSTEMS



*The Technology Leader in
Manhole Rehabilitation!*



The Fast, Cost-Effective Solution For
STOPPING INFILTRATION
RESTORING STRUCTURAL INTEGRITY
CORROSION PROTECTION

Complete Family of Products:

- MS-2A - Portland cement based structural lining material
- MS-2C - Calcium Aluminate based structural lining material
- High Performance Mix - 100% pure-fused Calcium Aluminate Cement and aggregate structural lining material
- Profile Plus - Calcium Aluminate underlayment for epoxy/urethane coating
- Strong Plug - Stops active infiltration
- Quick Set Repair (QSR) - Patching cement
- Bench Mix
- Storm Seal - Portland cement based structural lining material for culvert and corrugated metal pipe rehabilitation
- Strong-Seal[®] Geopolymer

Offering Solutions

Since

1989



THE

Strong Company

INC.

est. 1959

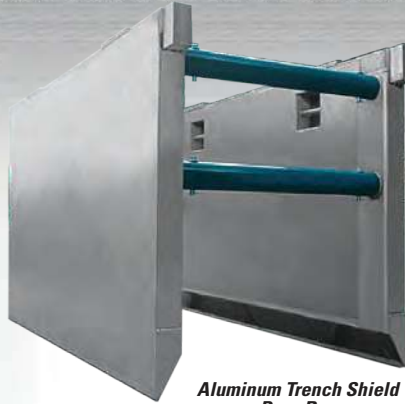
4505 Emmett Sanders Rd
Pine Bluff, AR | 71601
(870) 535 - 7617 | Fax: (870) 850 - 6933
www.strongseal.com | info@strongseal.com

Trench Shoring

with Light Weight ALUMINUM

SALES • RENTALS • SERVICE
REPAIRS • TRADE-INS • RECERTIFICATION

- Economical and Modular
- Professional Engineer Certified to O.S.H.A. Regulations
- Field Service and Support
- Our Light weight Systems are Transportable By Pick-up, Truck, Van or ASI Shoring Trailer
- Custom Configurations Available
- Unload & Assembly by Hand



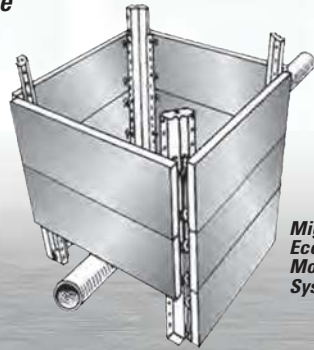
Aluminum Trench Shield Drag Box



Aluminum Trench Shield Drop Box



MightyLite® Erector Series



MightyLite® Economic Modular System

Original MightyLite Since 1989

FACTORY DIRECT

MADE IN THE USA

AMERICAN SHORING INC.

1-800-407-4674

www.americanshoring.com
E-Mail us at: sales@americanshoring.com



- Manufacturer of Complete Line of Heavy Duty and Lightweight Aluminum or Steel Trench Shoring.

- Road Plates & Rock Boxes
- Worlds only Manufacturer of Aluminum Slide Rail Systems

While others are still searching ...
... WE ARE FINDING LEAKS!



SeCorrPhon AC 200

Multifunctional leak detector for prelocating, pinpointing and correlating

Hermann Sewerin GmbH | Office +1 888 592 9916 | Cell +1 888 592 9916 ext. 102 | sewerin-usa@sewerin.net | www.sewerin.com

STRIKE OUT CLOGS



SITHE
BY BARNES®



Sithe chopper pumps with **8" and 10" discharge** step up to the plate to handle the most demanding applications.

sithechopper.cranepumps.com

VISIT US AT WEFTEC BOOTH #5439

THE BENEFITS OF REMOTE DISCONNECT METERING

Greater control of your water connections builds safety, security and efficiency

By Thomas Butler

Remote disconnect meters have been used in the electric metering industry for at least 15 years. Early adoption of advanced meter infrastructure and the convenience of endless, on-demand electricity made remote disconnect technology an easy choice for implementation in electric utilities.

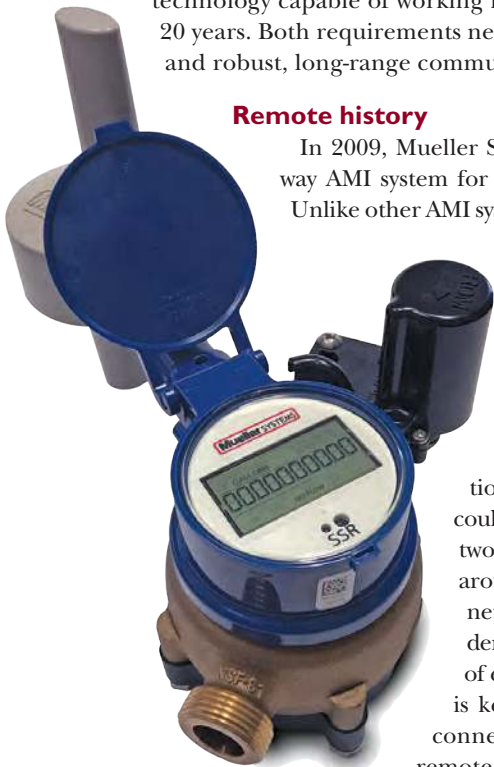
But despite sharing the same needs as electric utilities and many additional drivers for adoption, water utilities had to wait for the technology to catch up to their market segment. The technological challenge for water was very clear: lack of constant power.

To implement remote disconnect meters for water, utilities require on-demand, two-way communications to the meter, as well as technology capable of working in a water meter setting for 20 years. Both requirements need efficient use of batteries and robust, long-range communications technologies.

Remote history

In 2009, Mueller Systems released a true two-way AMI system for water: the Mi.Net network.

Unlike other AMI systems at the time, it provided on-demand access for full command and control of meters and sensors. Previous networks were essentially only “two-way” in the sense that every meter in the system could maintain time synchronization. However, these networks could not guarantee on-demand, two-way access to every meter around the clock. The Mi.Net network was engineered for on-demand command and requests of each individual meter, which is key for remote connect/disconnect. Much of the value of remote disconnect metering is lost



if you cannot ensure valve closures or openings within seconds of the request being made.

While true two-way communication is critical for remote disconnect technology, reliable long-term operational life is key to the meters.

Mueller Systems designed the 420 RDM (remote disconnect meter) to utilize a proven positive displacement metering technology using a 20-year battery and a nutating disc measurement chamber along with a pilot/diaphragm valve, all within the traditional American Water Works Association 7.5-inch lay length for 5/8-inch and 5/8-by-3/4-inch water meters. This design allows for easy installation with no plumbing alterations or meter box changes. Design engineers performed an intensive search of all valve technologies including ball, gate and butterfly valves. Given the primary requirements of reliable service and long battery life, a pilot/diaphragm valve was selected as the best choice for a remote disconnect meter since it is far more efficient and robust than any other available valve configuration. This design has been tested and proven reliable for decades in irrigation system applications.

The pilot-operated diaphragm valve utilizes system water pressure to allow or stop the flow of water in the meter. When the valve is commanded to actuate, a small solenoid plunger moves, using a tiny amount of mechanical energy, to create a pressure differential by closing or opening the pilot path. This movement either builds or relieves pressure on top of the diaphragm, causing it to open or close the flow of water. The nature of this design offers two huge advantages over other valves: (1) low power requirements and (2) a robust design, making the 420 RDM a true on/off valve.

Full disconnect

Early in the development process of the 420 RDM, Mueller Systems offered a “life-sustaining flow” option. It was thought that utilities would desire a valve “state” that provided a small flow of water in the event of an emergency. Utilities rejected this design for a multitude of reasons and made two strong points:

1. Utilities’ current business processes involve total disconnection of service (as has been the case for decades), and the move from total to partial disconnection (i.e., life-sustaining flow) creates additional headaches and potential liabilities for the utility.
2. The low flow of 1/4 gpm to 2 gpm still allows customers to use water

(continued)

BETTER MOUSETRAPS

PRODUCT:
Mi.Net network

MANUFACTURER:
Mueller Systems
800-323-8584
www.muellersystems.com

APPLICATION:
Remote water disconnection

BENEFITS:
Guarantee on-demand,
two-way access to meters
around the clock



PIPELINE INSPECTION EQUIPMENT, ASSESSMENT SOFTWARE, AND REHABILITATION SOLUTIONS

50+ years of
industry experience;
qualified experts on hand

One-stop shop for all
CCTV pipeline inspection
equipment needs

Cost effective
solutions for any job,
BIG or SMALL

Customer service &
support on hand to keep
you up and running

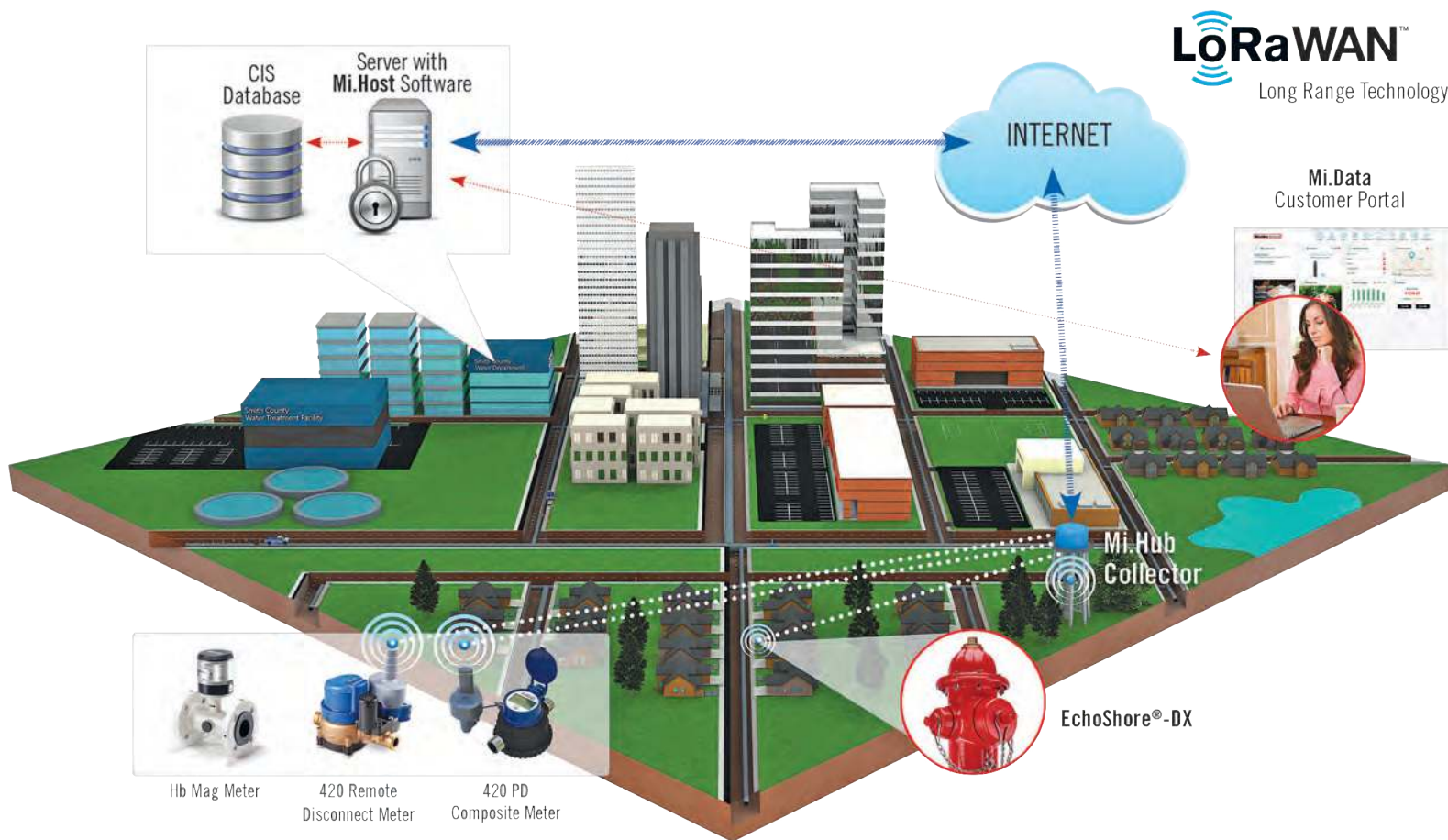
CUES manufactures CCTV pipeline inspection systems designed to accommodate various locations and conditions found in sanitary and storm sewers ranging from 4"-200" in diameter. CUES can help you to meet these challenges with a full line of standard and customized units, including truck and portable-mounted systems, transporters, cameras, asset inspection software, and more.



CALL TODAY FOR A FREE DEMO!

800.327.7791 | salesinfo@cuesinc.com

www.cuesinc.com ◀



at a level that doesn't give them a strong impetus to pay their bills. For instance, the average low-flow showerhead uses less than 2 gpm, meaning customers on a "trickle" state could still take showers and flush toilets. This could result in an increase in customer debt, the very situation they were hoping to avoid.

By completely disconnecting service, utilities can maintain their current business processes and provide the necessary motivation for delinquent accounts while gaining the efficiencies desired from a remote service disconnect or reconnect.

Based on feedback from utilities that have deployed remote disconnect meters, Mueller Systems developed an improved strategy for situations where customers need access to water to avoid loss of life or negative media called "compassionate scheduling." Thanks to a valve design that requires little power to operate, the 420 RDM meter allows utilities to schedule water service to come on for only a specific time during the day. Utilities can turn water on or off as they desire or schedule certain time periods automatically. For example, utilities can provide water to a customer who has special needs while still providing the necessary motivation for payment, as well as limiting the amount of debt customers can ring up while "disconnected."

Reduced callouts

The most obvious use of remote disconnect technology is to shut off and restore water service to customers for nonpayment. For decades, nonpayment has demanded a lot of resources in terms of utility personnel. Typically, the utility would go through a complete billing cycle, and customers who failed to pay the previous cycle would be notified manually (by mail or

phone call) with the utility offering a grace period to allow the customers time to pay. After the grace period expired, the utility would then process numerous cumbersome work orders before sending utility personnel into the field to perform a manual shut-off. Ideally, the customer would soon pay their delinquent bill, prompting the utility to again send out personnel to the customer's home to quickly restore service.

Most important, remote disconnect/reconnect metering technology eliminates the need to send utility personnel into the field to turn service on or off manually. Many utilities disconnect an average of 5% to 10% of their customers each year. For an average utility of 20,000 customers, that amounts to 1,000 to 2,000 callouts per year. With an average callout cost of \$50 to \$75 each, implementing remote disconnect metering can result in significant savings. Reducing callouts also limits situations where utility employees may encounter risks including unsafe plumbing, unruly customers, aggressive pets or dangerous neighborhoods.

Utilizing Mueller Systems Mi.Host software, utilities can schedule bulk shut-offs in a way that is convenient for handling the customer service implications of dealing with nonpayment. It can also quickly reconnect service while the customer is on the phone. The "wake-on-demand" two-way functionality ensures the disconnect/reconnect command gets to the meter immediately, and the command's receipt is immediately verified. The software also features alerts that are specific to the meter such as "flow after disconnect" (to detect the unlikely event of a tamper to bypass the valve) and "high flow following a connect," a handy backup tool to supplement the utility's business standard operating procedures.

SCHONSTEDT®

UNDERGROUND LOCATORS WATER & SEWER INDUSTRY



Magnetic Locators and **Pipe & Cable Locators**
optimized to fit every need.

Which **SCHONSTEDT** is right for you? Find The Right Locator at www.Schonstedt.com

SPX

FIND IT UNDERGROUND

STEEL & DUCTILE PIPE • CURB & VALVE BOXES • WELL CASINGS
SEPTIC TANKS MANHOLE COVERS • STEEL ENCLOSURES • SONDES
COPPER & LEAD PIPE TRACER WIRE ON NON-METALLIC PIPE



800-999-8280

Additionally, there are many situations beyond nonpayment where remote disconnect is an ideal addition to the customer service team's toolkit. Another pain point for a utility's customer service is the frequent turnover of customers. The average percentage of households who rent versus own is about 35%, and in some large cities that number is closer to 50%. University towns have high numbers of move ins and move outs, while utilities in the Deep South and Southwest have "snowbird" populations, or Halloween-to-Easter residents. Installing a Mi.Net network and remote disconnect metering helps utilities to eliminate truck rolls in these instances as well.

Customer service is also enhanced through remote disconnect metering. When alarms or alerts appear in Mi.Host — indicating an unexpected excess of flows at certain properties or areas — utility customer service representatives contact customers to determine if the use is valid or possibly the early indication of a leak. This information can be valuable in several scenarios,

such as when vacationing homeowners are unaware a pipe has burst. In this case, the utility can shut off service to save precious water resources, avoid large water bills and minimize property damage.

An additional customer service benefit is protection of the public. With remote disconnect technology, the utility can proactively enforce "Do Not Use" orders during a potential contamination event. For instance, if a back-flow event has been detected, the system can quickly disconnect all remote disconnect meters to reduce the chance of injury or death by preventing contaminants from reaching the utility's customers.

With fewer crews and vehicles making routine disconnects and reconnects, utility resources can be redirected elsewhere where maintenance or other work is needed. ♦

About the Author

Thomas Butler is director of business development for Mueller Water Products.



VIVAX
METROTECH

Locate and Inspect with Speed, Accuracy and Confidence



Full HD
1080p

vCam-6 HD Inspection System

- 9.7" Anti-glare HD Display
- 1TB Hard drive
- 1080 HD Cameras
- 512Hz Sonde
- Locatable Pushrod

vCamMX-2 Mini Inspection System

- 512Hz Sonde
- Locatable Pushrod
- High Resolution Cameras
- Direct USB Recording

vLoc3-Cam Sonde and Utility Locator

- Directional arrow guidance
- Locates sondes and pushrod
- Graphical user interface
- Optional Bluetooth connectivity
- 4.3" Full-color display



vCam Live View APP

- Add text to the vCam screen
- Add text to recording video or pictures
- Switch between HD and SD video stream
- Edit files in the phones/tablets operating system
- Share via iOS sharing features (email, text message, DropBox, OneDrive)



Call us for your no obligation on-site demonstration!

Vivax-Metrotech Corporation

3251 Olcott Street, Santa Clara, CA 95054, USA

Toll Free: 800-446-3392 Phone: +1-408-734-1400 Email: sales@vxmt.com www.vivax-metrotech.com

CAP Composite Covers and Frames

- ✓ 100% Watertight in 20 inches of water– 0.00 GPM
- ✓ H-25 Traffic Rated – Load Rated above 100,000 lbs
- ✓ DOT Approved – “Within Roadway”
- ✓ Resists Corrosion, UV and Theft
- ✓ Odor Free
- ✓ Half the Weight of Iron...but not too light.
- ✓ Pigmented & Stone-like Appearances Available
- ✓ RFID encapsulated for Asset Tracking and GIS compatibility – *Patent Pending*
- ✓ Detectable With Standard Metal Detectors
- ✓ Designed, Molded, & Assembled in Texas
- ✓ 100% American Owned – The Only USA Compression-Molded Composite Cover



weftec 2019
Booth 128

Remember, if it doesn't say "Made In USA," It is Chinese

Don't Settle for Those Chinese Knock-Offs... Just CAP That!®

Composite Access Products (CAP) • 5216 N 26th St, McAllen, TX 78572 • www.justcapthat.com • 844-344-CAP1 (2271)





VACALL
RECYCLER
 GREEN
 THAT WORKS



How to save millions of gallons of water each year, and keep thousands of taxpayers happy

In Sanford, Florida, Vacall Recycler improves productivity and environment

Vacall's Recycler option for AllJetVac combination sewer cleaners is proven to save an average of 5.7 million gallons of water each year ... an impressive advantage for communities that try to help the environment. Beyond that, by eliminating the need to constantly stop work for fresh water refills, crews are able to get more done every day.

See the video and read about Recycler success in Sanford, Florida. Then call for facts and a demo.

See the video on the NEW Vacall website:

Vacall.com/Sanford
800-445-4752

VACALL™
DRIVING INGENUITY



BUYING A COMBO

Tips and advice for choosing the right truck for your cleaning and maintenance program

By *Jared Raney*

When Elizabethton's sewer and water departments in Tennessee merged, they had to decide how to handle a system of mostly 100-year-old vitrified clay sewer. Part of their formula for success was purchasing a carefully spec'd combination jet/vac unit.

"We knew we were going to have to take a new focus on establishing a maintenance schedule and really find out where we were," says Jonathan

Pleasant, construction manager for the water resources department. "Our system is very old, most of it was put in back in the 1920s, and maintenance was not really high priority for a lot of those decades. So we already had an inkling that there were going to be problems."

They made the decision many municipalities across the nation are facing: Do we need a combination truck?

As aging infrastructure continues to deteriorate and federal standards require ever-increasing maintenance and replacement, finding the right truck for your utility's needs becomes more and more essential.

"I was kind of surprised at the number of companies that actually make them, because you'd think that's a pretty specialized piece of equipment," Pleasant says. "Once we got this ball rolling, the truck was a key part of our preventive maintenance — of trying to change the culture of the organization a little bit so that we're not simply taking things as they come, but we're trying to actually lay out a game plan to take them head-on."

Do you need a combo?

The very first question in this conversation is simply do you really need a combo unit? If all you need is a jetter, there's not much point in spending the extra money for the jet/vac option.

There are several things to consider before buying a jet/vac combo truck, the first being whether you need a combo truck or just a jetting unit.



“Do you want to jet your lines just to clean them? Or do you want to jet and be able to vacuum the materials?” asks William Petrole, vice president of sales and marketing for Vacall. “If that’s the case, then of course you would need a combination machine truck over just a plain jetter truck.

“How are you going to use it? How do you want to utilize the machine?” Petrole continues. “The combination machines now come with a hydroexcavating package so you can not only clean sewers with it, but you could also go out and if you had a water main break or if

“We do a lot of potholing for utilities — gas lines, communication lines, any time we’re doing horizontal directional boring — so we use it for that, and we also use it for cleaning out our basins at the water treatment plants.”

Jonathan Pleasant

you wanted to hydroexcavate, you can also use it for hydroexcavating, so that would be a thing to think about. Do you want a single-use truck, or do you want a multiple-use?”

Take a cue from Elizabethton’s recent experience: Look at your utility’s needs over the life of the truck.

“We’re looking at things like pipe bursting and sliplining and contracting out different things — but in all that stuff, the Vactor truck is still a key component because you can’t even get in there to do any of the inspection work without having cleaned the line first,” Pleasant says.

Elizabethton ended up with a 2017 Vactor tandem-axle with 2,000 gallons of water capacity. The hydroexcavation package was one of the first things they looked at when deciding on configuration.

“The hydroexcavating was kind of interesting to us. We wanted to have that extra sprayer on the front and the capacity to do that too, and we do use that a lot,” Pleasant says. “We do a lot of potholing for utilities — gas lines, communication lines, any time we’re doing horizontal directional boring — so we use it for that, and we also use it for cleaning out our basins at the water treatment plants.”

Developing your specs

Before you even start looking at truck makers and field-testing different models, it’s good to at least have a general idea of what you’re looking for.

“The first and most important concern we had was that with our old truck, when it was fully loaded, when the debris tank was full or when we were hauling a full tank of water, we were actually technically

overloaded for the wheel size,” Pleasant says. “So that was a concern. We knew we wanted to address that, and we automatically were thinking about tandems, just to get the extra capacity.”

There are a few main factors you will want to decide on in advance:

- Water capacity
- Debris capacity
- Truck size (single axle versus tandem/double)



SpeedyLight+ is LED-based

UV Cure

Cures Faster, Relines Bends, No Styrene or Mixing

- Works with many approved felt and glass fiber liners
- Cures up to 3.3 fps over 328'
- Handles bends, transitions
- 3 interchangeable heads for 4–12"
- Single component, off-site wet-out
- Forward-view camera

PRT
Pipeline Renewal Technologies

www.pipelinert.com • 866.936.8476

- Hydroexcavation
- Reel configuration
- Cold-weather package
- Water recycling.

Once you've hammered out the basics, it will become much simpler to decide on the other myriad features and options available.

Some of the common options are extra hose and specialized nozzles, alternative reel mounts and custom storage. Plus, most manufacturers have pages upon pages of potential options and add-ons.

"We really like the front reel that can extend out and turn sideways, because we knew one of the trade-offs of getting the larger size was that we'd have a bit more limited mobility," Pleasant says. "We've got a lot of small side streets and back roads, small bridges, so we had to take that into consideration. But we kind of offset that I guess with more flexibility on our reel positioning and the length of our hose."

In addition to the front-mounted swivel reel, they opted for a 600-foot hose, as well as a set of specialized nozzles.

"We have a lot of offsets — the vitrified clay has settled and shifted — and debris in the bottom of pipes, a lot of sediment buildup and grit," Pleasant says. "So that's why we bought some of the floor-cleaning nozzles, and we also have some serious problems with roots and grease."

Bidding to spec or buying on contract

After you've decided what you want and done your research on models and brands, you have one last choice to make: Bid or contract? There are two ways to buy a combination truck: You can either develop a spec sheet and put out a bid that any manufacturer can submit a proposal for or you can go through one of the many contract organizations on the market.

The obvious benefit of bidding out a truck build is that you can get exactly the features you're looking for. You can do your research, even field-test a variety of models, and then pick and choose your favorite features from each, combining them into the perfect truck for your utility.

You also have the bonus of seeing all the bids laid out in front of you, therefore guaranteeing the lowest price available. With a contract, you're taking someone else's word that it's the lowest option for that configuration. On the other hand, a contract may be sourced from a wider variety of manufacturers than your single bid gets responses from, which could potentially equal a lower price.

"When you buy off of a contract, you're not guaranteed that you're buying the lowest-priced piece of equipment out there," Petrole says. "What you're guaranteed is that you're buying a piece of equipment for a very well-negotiated price."



Before you even start looking at truck makers and field-testing different models, it's good to at least have a general idea of what you need. Determining capacity, size, reel configuration and some other factors ahead of time will make the process easier.

A major benefit of contracts is simply that the bid process is taken off your plate. The contract group handles all the details, intricacies and hassles. One thing it can't tell you is the cost of ownership — don't forget to take into account the ongoing cost of maintenance and other factors of keeping a truck in-house.

Do your homework

Unless your municipality is very fortunate, you are likely to face this difficult decision. The most important thing is to approach it analytically, and remember there are resources available.

"We called all our surrounding utilities, those with combo trucks, and just made a visit. It was nice how open and welcoming some of them were. I mean, I can't say that'd be the same situation for everywhere," Pleasant says. "Just see what your neighbors have. There's no easier way to go and actually see something in the field or get a feel for something that's been used for a good while. That's probably the easiest thing, and best thing we did, really."

Take the customer service of the manufacturer into account as well: Often a truck is only as good as the support of the designers and repair departments that it is purchased from. Look into warranties, ease of operation, and amount of training and what the manufacturer provides for training. Ask around about the manufacturers' reputations when issues do arise.

"It really all goes hand in hand," Pleasant says. "We had to have a state-of-the-art truck to keep up with the extra emphasis we were putting on sewer maintenance and sewer line washing. There's not really a day that goes by that this truck is not out there in the field being used." ♦

Trusted Solutions to Critical Wastewater Problems

Services

Installation, Monitoring,
Condition Assessment, O&M

TRITON+®
Flow Monitor

RainAlert® III
Rainfall Monitor

ECHO™
Level Monitor

FlowView PRISM™
Software &
Data Solutions

Integrated Solutions

ADS® delivers consistent, quality data for critical engineering, operations, and maintenance applications; providing actionable insight that enables users to make informed decisions. ADS integrated solutions equip users with the tools necessary for superior asset and operational management.

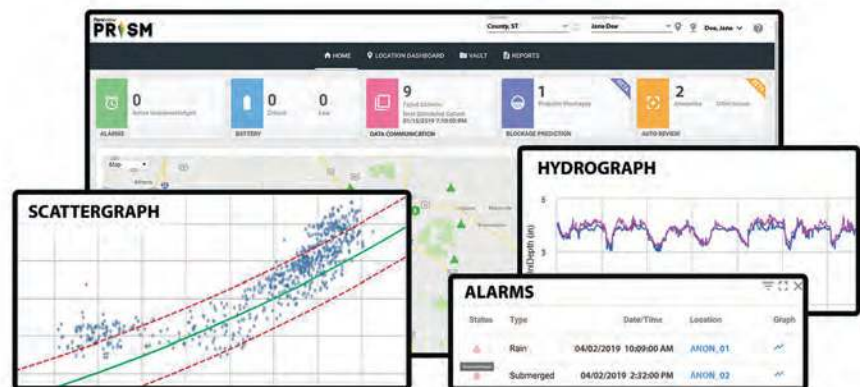
Choose ADS for:

- ▶ Blockage prediction & prevention
- ▶ Cleaning optimization
- ▶ CSO monitoring and reporting
- ▶ Capacity planning & management
- ▶ I&I analysis and reduction
- ▶ Hydraulic model calibration
- ▶ Accurate billing data

Find Your Trusted Solution

E: adssales@idexcorp.com

C: 800.633.7246



Access your data and device status on ADS's revolutionary cloud-based collection system management platform, FlowView PRISM. Get immediate system insight, quickly manage alarms, check collection and device status, and generate reports. Dashboard tools provide real-time operational intelligence throughout the collection system.

SOMETHING BIG IS COMING

weftec
the water quality event™

Visit ADS in Booth # 2025

September 23-25, 2019 | Chicago, IL

ADS
www.adsenv.com

THERE'S SAFETY IN SYSTEM KNOWLEDGE

The best way to promote safety is by making sure employees understand the systems they operate

By Jared Raney

Every once in a while, you'll hear a story about an operator who has been in the field for 40-plus years, and one thing that crops up time and again in these stories is that the operator really understands the system.

"The more you know about the system, the better you can maintain it and the safer you can be when you do," says Andy Koebel, operations director for Bonita Springs (Florida) Utilities. "There's nothing like getting to know the system as well as you can."

"The more you know about the system, the better you can maintain it and the safer you can be when you do. There's nothing like getting to know the system as well as you can."

Andy Koebel

Knowledge takes time

To some extent, there's no substitute for the slow learning over a long time in the industry.

"My understanding, my level of input and, then by extension, my support for safety has done nothing but grow over my career," says Joe Polowy, distribution operations superintendent for the Anchorage (Alaska) Water and Wastewater Utility.

But there are ways to jump-start the learning process for new employees and encourage continued learning in order for employees to capitalize on their knowledge.

Every system is different, and one way to ensure your employees are learning the necessary information to operate safely is to tailor and customize your safety program to reflect the details of a particular system or part of a system.

"We've written our own training manuals in-house," Polowy says. "One covers the water distribution system; one covers pressure-regulating valves, specifically; and then one covers planning and project review."

Creating system-specific training protocols and trainings also keeps employees thinking about the system. As they digest information from training, they can con-



Having a full understanding of your water and wastewater systems, as well as all safety equipment and procedures, is one of the surest ways to protect yourself on the job.

“When you begin stopping work that affects other work units, or even outside entities, then people are initially very hesitant to that. So you really have to enforce that mentality.”

Joe Polowy

nect it to the pieces they are seeing while out in the field, and over time it will lead to an increased affinity for the system.

“If you’ve been here for 15 years, you might have seen the same safety training 15 times, so we also try to stress that it still has its purpose — you might know it in and out, but by going through it, by repetition, it becomes ingrained and then it becomes habit,” Koebel says. “That’s why we really strive to continue these programs and get people to understand them thoroughly. Quiz them, test them, continually encourage them to improve, and follow through to make sure they are learning — that they are picking it up and not just going through the motions.”

Learning to learn

Perhaps even more important than promoting informational knowledge, however, is cultivating a mindset among employees to learn continuously.

“One thing that I learned over the years was not to memorize any specific treatment process, or pressure zone, or hydraulic management, but instead to focus on learning how to learn,” Polowy says. “Our industry is constantly changing, and the industry standard is always updating.

“It starts with the smallest things: bringing up safety concerns in the morning meetings that you might have on jobs happening that day, or even safety remarks in general. And then following through with that,” he says. “Once you establish that kind of culture, then it becomes second nature. It’s automatically part of your job.”

Another way to promote in-depth and continually evolving system knowledge is a regular cleaning, maintenance or flushing program. Rotate newer employees, and before long, they will have seen large portions of the system.

“That flushing cycle is very important for the new guys because they’re going out and learning the system that way,” says Ryon Kershner, engineering supervisor and safety committee chairman for Roseburg (Oregon) Urban Sanitary Authority. “They’re dragging hoses, and they’re pulling every manhole. It allows them to get out and understand how each drainage basin works, and that’s kind of how the knowledge gets passed down.”

The Roseburg authority keeps a three-year flushing schedule.

“They start at the top of the drainage and work their way all the way to the bottom, so over three years, they’ve probably visited 75% of the manholes that way,” Kershner says.

It’s also important, in order to take full advantage of a program like this as an educational opportunity, to rotate seasoned employees with inexperienced ones.



RELIABLE FLOW ON THE GO

FEATURING THE ORIGINAL CHOPPER PUMP

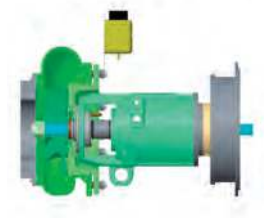
Vaughan’s Portable Bypass Trailer units are heavy duty trailers that provide unmatched reliability, anywhere. Available with Vaughan’s signature Chopper Pump and Triton “Screw” Pump, this unit can be used for tough solids reduction applications or low shear solids handling. Powered by diesel or electric drive motors, this trailer is ready for the toughest jobs in any location. Contact us to see what we can do for you.

PUMP OPTIONS:

- Dry Prime Horizontal End Suction Chopper Pumps in 3”-16” models
- Dry Prime Horizontal End-Suction Triton Screw Pumps in 3” to 12” models
- Wet Prime Self Priming Chopper Pumps in 4”-10” models

FEATURES:

- Open or enclosed “sound attenuated” options available
- Constructed with Vaughan Co.’s proprietary Mechanical Cartridge Seal
- Seal Oil Reservoir for dry-run scenarios
- Digital Control Panel
- Diesel, Hydraulic, or Electric Drive motors
- Skid Mount Available



Visit us at WEFTEC Booth #1017!

ChopperPumps.com | 360.249.4042 | info@chopperpumps.com





Staying on top of system maintenance to prevent overflows and other emergencies isn't often thought of as a safety procedure, but it can keep your crew out of potentially dangerous situations.

Kershner has found that guys who've been with the system can answer questions that might not even be in the records. When he started, a supervisor of his predated the formation of the Roseburg authority, giving him an insight that no training could have provided as they worked side by side.

"They just have a great understanding of the system. They know every little thing that's happened over the last 30 years," Kershner says. "It's amazing how fast I could learn the system and its little nuances: where potential overflows could be if there was a high rain, or when a situation happens, how do we solve those overflow problems?"

This aspect becomes more key as the industry approaches an expected wave of operator retirements. With so many longtime, knowledgeable employees reaching retirement age, passing on that institutional knowledge should be a priority.

"It's a challenge that we deal with all the time, as some of our people retire. We try to cross-train and get people to work with them on a regular basis, so if there is an employee who's been here for a long time and has a lot of knowledge, we'll rotate our less-experienced employees with them on a regular basis so they get a chance to learn from these employees' knowledge."

As an engineer and supervisor, Kershner also sees the importance from behind a desk. Operators' knowledge of the system helps him plan projects with their safety in mind.

"We listen to those guys. They're in the field, and when something comes to light from those guys, it's an important thing. We look to them for that information and how it's going to be fixed," he says. "As I moved into more of a construction management role, listening to the guys here who are in ditches and understand shoring and the equipment, it's taught me basically everything I know about it. It helps me to watch out for them, watch out for

the new guys when they get here, because now I have that understanding.

"We've had some pretty major rehab projects here over the last few years. And when I oversee other people working in our system, knowing, OK, this is going to be a high-flow time or you have people upstream who could be dumping something — we need to monitor that," Kershner says.

Many benefits to knowledge

Getting to know the system can also benefit simply by decreasing system accidents. The fewer overflows and pipe bursts that crews are going out to fix, the fewer opportunities for accidents.

"It's helped us avoid some I&I issues, which is a health issue for the system," Kershner says. "We've come up with a couple bypass systems over the years where we've been able to split flow in high events to different drainages, and it's kept us from overflowing out on the streets into storm drains."

An intimate understanding and familiarity with the system not only promotes safety through sheer predictability — that the more you know, the more you can anticipate dangerous situations — but it also gives employees a confidence to make decisions for the sake of safety.

"It's a really hard mindset to instill in people, to stop work," Polowy says. "I mean, if you're stopping work within your own work crews, it's not really a big deal. When you begin stopping work that affects other work units, or even outside entities, then people are initially very hesitant to that. So you really have to enforce that mentality."

Operators, especially young operators, are more willing to take that measure, as well as call out workers who might be trying to cut corners in the field, when they are confident in their knowledge that they're right.

"Our operators are empowered to stop work even from other utilities or companies on site if they see something that's immediately dangerous to life and health," Polowy says.

In many ways, it's a self-fulfilling prophecy. Getting employees to feel connected and take ownership of the system and their own safety will naturally lead to an internal shift toward safe practices.

"Until you get the culture to change from the bottom all the way to the top, to where everyone believes in a true safety program, you're not fulfilling that safety aspect of the job," Polowy says. "Once you get the people on board, they're the entire driving force behind a good and robust safety program that allows us to be productive. Start with the little things. That's how to start the change in culture — start with the small things." ♦

**What you learn on these pages
can save your community
\$1,000s.
It's all yours for — FREE.**

Each issue will show you new techniques, tips on building a stronger staff, money-saving deals and much more.

MUNICIPAL SEWER WATER **Don't miss an issue!**
www.MSWmag.com

C70

HD Video Cleaning Nozzle

A **Nozzle** Idea

The Sewer Robotics C70 video nozzle features 8 cleaning jets, battery pack, LED lighting, WiFi, and self-leveling HD camera for video recording and jetting 6" to 40" pipelines.

Video is recorded on an SD-card inside the nozzle and downloaded to the included tablet via integrated WiFi as soon as the nozzle has returned to the manhole.



Specifications

Scope of Use:	6" - 40" Diameter Pipelines
Jet Angle:	20 Degrees
Hose Connection:	1.25", 1", .75" Fitting
Flow:	40 - 170 GPM
Pressure:	2,000 - 4,000 PSI
Battery Runtime:	8+ Hours
Video Memory:	8+ Hours

Features

- Auto Upright HD Camera
- 7 Pressure Switched LEDs
- 8 Exchangeable Jet Inserts
- Double Sapphire Lenses
- Wireless Video Downloading
- Rugged Tablet with GPS
- Fully Submersible
- Cleaning Assessment Software (optional)



PUBLIC WORKS EXPO

September 8-11, 2019

Seattle, WA

BOOTH 301



The Kit - What's Included

- C70 Nozzle with HD Camera and LED lights
- Protective Case
- Tablet with GPS
- Pipeline Viewing Software
- Jet Inserts
- Battery Charger

Sold Exclusively Through **VAC-CON** in North America

CALL US TODAY FOR A QUOTE!

888 • 781 • 7971

www.vac-con.com

Email the Team Directly at

Partsdepartment@vac-con.com

WORKFORCE DEVELOPMENT

Like-minded organizations are helping to bring new people to the industry

By Sheila Joy

This past June I was fortunate to attend my very first SkillsUSA National Leadership and Skills Conference in Louisville, Kentucky. As a national sponsor of SkillsUSA, NASSCO is proud to represent our industry in the promotion of careers in underground infrastructure to middle and high school students across the U.S.

SkillsUSA's conference drew 18,000 attendees, including 6,500 students — all state contest winners — who competed in hands-on trade, technical and leadership events. Students worked around the clock to prove their expertise in a variety of occupations, including construction.

Established in 1965, SkillsUSA provides opportunities to young people who may want to take a path other than one that leads to a traditional four-year college degree. There are currently 18,000 classrooms conducting SkillsUSA training nationwide, covering 130 job categories. NASSCO's goal, through our continuing partnership with SkillsUSA, is to build our relationships with counselors across the country to establish trenchless technologies as one of those areas of study.

While supporting our youth in finding successful career paths is extremely rewarding, it also helps NASSCO members fill the skills gap that exists by building awareness and education surrounding the benefits of a career in the assessment, maintenance and rehabilitation of underground infrastructure.

NASSCO also believes it is important to look to veterans as an important resource for workforce development. Recently I attended a NUCA Fly-In in Washington, D.C., and learned that NUCA's intentions are very much in line with ours. While the event's primary objective was to educate Capitol Hill on the need to fund underground infrastructure, NUCA also prepared attendees to speak with government representatives on the need for workforce development and, specifically, to address the shortage of qualified workers in the utility construction industry. They also shared a number of opportunities to support our veterans by turning to them as viable solutions for the workforce shortage.

To learn more about SkillsUSA, visit www.skillsusa.org; to learn more about hiring veterans, visit www.centerforamerica.org. ♦

NASSCO (National Association of Sewer Service Companies) is located at 2470 Longstone Lane, Suite M, Marriottsville, MD 21104; 410-442-7473; www.nassco.org

Sheila Joy is executive director of NASSCO. She can be reached at director@nassco.org.

Get the EDge Training and Continuing Education Courses

September 17

Columbus, OH
Includes: MACP, LACP, PACP
Trainer: Jerry Weimer
513-659-5008
jerryweimerconsulting@gmail.com

September 17

Franklin, NH
Includes: PACP, MACP, LACP
Trainer: Lindsey Sylvester
603-606-4436
lindsey.sylvester@wright-pierce.com

September 17

Northville, MI
Includes: PACP, MACP, LACP
Trainer: Brandon Conley
248-349-0904
pacp@dohenycompanies.com

September 24

Lakeland, FL
Includes: PACP, MACP, LACP
Trainer: Don McCullers
727-531-3505
don.mccullers@cardno.com

October 1

Las Vegas, NV
Includes: PACP, MACP, LACP
Trainer: Brandon Conley
248-349-0904
pacp@dohenycompanies.com

October 7

Eatontown, NJ
Includes: PACP, MACP, LACP
Trainer: Brandon Conley
248-349-0904
pacp@dohenycompanies.com

October 14

Marriottsville, MD
Includes: PACP, MACP, LACP
Trainer: Irvin Gemora
410-458-9591
irv.gemora@gmail.com

October 15

Orlando, FL
Includes: PACP, MACP, LACP
Trainer: Laurie Perkins
888-621-8156
laurie.perkins@wright-pierce.com

October 15

Chicago, IL
Includes: PACP, MACP, LACP
Trainer: Jerry Weimer
513-659-5008
jerryweimerconsulting@gmail.com

October 15

Twinsburg, OH
Includes: PACP, MACP, LACP
Trainer: Brandon Conley
248-349-0904
pacp@dohenycompanies.com

October 16

Covington, GA
Includes: PACP, MACP, LACP
Trainer: John Jones
678-527-4212
plumblineconsultant@gmail.com

October 22

Bolton, Ontario
Includes: PACP, MACP, LACP
Trainer: Brandon Conley
248-349-0904
pacp@dohenycompanies.com

October 29

Bensalem, PA
Includes: PACP, MACP, LACP
Trainer: Irvin Gemora
410-458-9591
irv.gemora@gmail.com

OTHER CLASSES FORMING
Contact one of the trainers listed above if you are interested in having a class at your facility or in your area.

NASSCO
PRO
TRAINING



A HISTORY OF INNOVATION SINCE 1945.



MICROGATOR 2.0

PANORAMO 4K

Sourcewell
Formerly NAPA

Awarded Contract

We've seen it all...

We know that finding a new inspection camera system can seem overwhelming. Your reputation and money is on the line. That's why, when you choose RapidView IBAK, you can be confident that we will be with you for the long haul. IBAK invented sewer cameras in 1957 and we continue a history of innovation today. Our customers expect the best after-sales service in the industry, and we work every day to make sure they get it! We are committed to not only selling you the best equipment money can buy, but making sure that it stays in the field, earning you an increased return on your investment!



Push | High Def | Mainline | Lateral Launch | 3D Mapping | PANO 4K Scanner | Rehabilitation | Software
(800)-656-4225 | www.rapidview.com | Past Proven. Future Ready.

IBAK Inspection Equipment Manufacturing is Certified ISO 9001:2015 and ISO14001: 2015.

MUNICIPAL SEWER & WATER™

2019-2020

BUYER'S GUIDE



Advertisers in the magazine are listed in red and bolded.



➔ ALPHABETICAL LISTINGS

3T Equipment Co. Inc.

1596 Hampton Way
Santa Rosa, CA 95407
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com

Ad on page 103

Advanced Drainage Systems, Inc.

4640 Trueman Blvd.
Hilliard, OH 43026
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Advanced Pedestals, Ltd.

PO Box 1037
Gainsville, TX 76241-1037
888-433-5711 • 940-668-4371 • Fax: 940-668-4381
apisales@petroftexna.com
www.polychek.com

American Highway Products Ltd.

11723 Strassburg Bolivar Rd. NW
Bolivar, OH 44612
888-272-2397 • 330-874-3270 • Fax: 330-874-3800
sales@ahp1.com
www.ahp1.com

Ad on page 81

American Jetter

6908 Pine Grove Rd.
Knoxville, TN 37914
866-944-3569 • 865-524-4647 • Fax: 865-247-5105
office@americanpridedist.com
www.americanjetter.com

Ad on page 113

American Pleasure Products, Inc.

2823 E Industrial Dr.
Rose City, MI 48654
989-685-2697 • Fax: 989-685-8484
info@aquacycleusa.com
www.aquacycleusa.com

Ad on page 83



American Shoring Inc.

207 Lake St., Rte 32
Newburgh, NY 12550
800-407-4674 • 845-562-4477 • Fax: 845-562-2411
sales@americanshoring.com
www.americanshoring.com

Ad on page 32

AMETEK Brookfield

3375 N Delaware St.
Chandler, AZ 85225
800-528-7411 • 602-470-1414 • Fax: 602-281-1745
sales@azic.com
www.azic.com

Ad on page 24



AMT Pump Company

400 Spring St.
Royersford, PA 19468
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com

Ad on page 10

Anue Water Technologies

5123 S Royal Atlanta Dr.
Tucker, GA 30084
760-727-2683
tchandler@anuewater.com
www.anuewater.com

AP/M Permaform

PO Box 555
Johnston, IA 50131
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
info@permaform.net
www.permaform.net

Ad on page 75



APPLIED FELTS
YOUR SUCCESS IS OUR SUCCESS

Applied Felts, Inc.

450 College Dr.
Martinsville, VA 24112
276-656-1904
info@appliedfelts.com
appliedfelts.com

Ad on page 13

Aries Industries

550 Elizabeth St.
Waukesha, WI 53186
800-234-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com

Ad on page 11

Arthur Products Co.

1140 Industrial Pkwy.
Medina, OH 44256
800-322-0510 • 330-725-4905 • Fax: 330-722-2698
apc@apclsq.com
www.arthurproducts.com



A.Y. McDonald Mfg. Co.

4800 Chavenelle Rd.
Dubuque, IA 52002
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com



Aarcomm Systems Inc.

106-18 Fawcett Rd.
Coquitlam, BC V3K 6X9
800-604-9218
sales@aarcomm.com
www.aarcomm.com



ADS Environmental Services

340 The Bridge St, Ste. 204
Huntsville, AL 35806
800-633-7246 • 256-430-3366 • Fax: 256-430-6633
adssales@idexcorp.com
www.adsenv.com

Ad on page 43



B

Barbco Inc.
315 Pekin Dr. SE
East Canton, OH 44730
800-448-8934 • 330-488-9400 • Fax: 330-488-2022
sales@barbco.com
www.barbco.com

Best Management Products, Inc.
9 Matthews Dr., Unit A1 A2
East Haddam, CT 06423
800-504-8008 • 410-687-6256 • Fax: 877-434-3197
tjm@bmpinc.com
www.bmpinc.com
Ad on page 10

Boerger, LLC
2860 Water Tower Pl.
Chanhausen, MN 55317
612-435-7300 • Fax: 612-435-7301
america@boerger.com
www.boerger.com

BRIGHT DYES
Division of Kingscote Chemicals
3334 S Tech Blvd.
Miamisburg, OH 45345
800-394-0678 • 937-886-9100 • Fax: 937-886-9300
sales@kingscotechemicals.com
www.brightdyes.com
Ad on page 113

Bright Technologies,
Division of Sebright Products, Inc.
127 N Water St.
Hopkins, MI 49328
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
julie@brightbeltpress.com
www.brightbeltpress.com
Ad on page 97

Bucher Municipal North America Inc.
105 Motorsports Rd.
Mooreville, SC 28115
704-658-1333 • Fax: 704-658-1377
info.bmna@buchermunicipal.com
www.buchermunicipal.us
Ad on page 20



C



Cam Spray
520 Brooks Rd.
Iowa Falls, IA 50126
800-648-5011 • 641-648-5011 • Fax: 641-648-5013
sales@camspray.com
www.camspray.com
Ad on page 103

CCI Pipeline Systems
1026 O'Neal Dr.
Breaux Bridge, LA 70517
800-867-2772 • 337-332-5808 • Fax: 337-332-5809
sales@ccipipe.com
www.ccipipe.com
Ad on page 87



CHEMetrics, Inc.
4295 Catlett Rd.
Midland, VA 22728
800-356-3072 • 540-788-9026 • Fax: 540-788-4856
marketing@chemetrics.com
www.chemetrics.com

Composite Access Products
5216 N. 26th St.
McAllen, TX 78504
844-344-2271 • 956-331-8232
wcnunnery@compositeap.com
www.justcapthat.com
Ad on page 38

Cornell Pump Company
16261 SE 130th Ave.
Clackamas, OR 97015
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com

Cortec Corporation
4119 White Bear Pkwy.
St. Paul, MN 55109
651-429-1100
productsinfo@cortecvci.com
www.cortecvci.com

Crane Pumps & Systems
420 Third St.
Piqua, OH 45356
937-778-8947 • Fax: 614-360-0524
cranepumps@cranepumps.com
www.cranepumps.com
Ad on page 33

Cretex Specialty Products
N25 W23790 Commerce Circle, Ste. E
Waukesha, WI 53188
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
info@cretexseals.com
www.cretexseals.com
Ad on page 20



CUES, Inc.
3600 Rio Vista Ave.
Orlando, FL 32805
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Cusco
305 Enford Rd.
Richmond Hill, ON L4C 3E9
800-490-3541 • 905-883-1214 • Fax: 905-883-1778
sales@wastequip.com
www.wastequip-cusco.com
Ad on page 23



D



Dallas Specialty & Mfg. Co.
1161 Ruggles St.
Grand Prairie, TX 75050
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspc.com
www.dallasspecialty.com



Duke's Root Control, Inc.
Syracuse, NY
800-447-6687 • 315-472-4781 • Fax: 315-475-4203
lynn@dukes.com
www.dukes.com
Ad on page 9

Dultmeier Sales
13808 Industrial Rd.
Omaha, NE 68137
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

Dynamic Repairs
40 Amot St., Unit 20
Lodi, NJ 07644
973-478-0893 • Fax: 973-478-0895
dynamicablerepairs@yahoo.com
www.dynamicrepairs.biz
Ad on page 113



E



Electric Eel Mfg.
501 W Leffel Ln.
Springfield, OH 45501
800-833-1212 • 937-323-4644 • Fax: 937-323-3767
info@electriceel.com
www.electriceel.com
Ad on page 112



Emagineered Solutions, Inc.
1830 SE 1st St.
Redmond, OR 97756
541-504-0416
ray.i@emagineered.com
www.theshooterclipp.com



Emerson
160 Park Ave.
Florham Park, NJ 07932
800-972-2726
asco.info-valve@emerson.com
www.emerson.com/leadfree
Ad on page 14

Endress+Hauser
2350 Endress Pl.
Greenwood, IN 46143
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com



Enviro-Care Company
1570 St. Paul Ave.
Gurnee, IL 60031
815-636-8306
esales@enviro-care.com
www.enviro-care.com

Environmental Chemical Corp.
2167 Prestwick Dr.
Uniontown, OH 44685
800-262-0458 • 330-453-5200 • Fax: 330-453-9646
sales@environmentalchemical.com
www.environmentalchemical.com
Ad on page 113

Environmental Coatings LLC
4702 E Virginia St.
Mesa, AZ 85215
480-984-7608
info@sewershield.com
www.sewershield.com



Envirosight LLC
111 Canfield Ave., Ste. B3
Randolph, NJ 07869
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com
Ad on page 2



Enz USA Inc.
1585 Beverly Ct., Unit 115
Aurora, IL 60502
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71



F

FERGUSON

Ferguson Waterworks
12500 Jefferson Ave.
Newport News, VA 23602
www.ferguson.com/waterworks

FKC Co., Ltd.
2708 W 18th St.
Port Angeles, WA 98363
360-452-9472
mail@fkcscrewpress.com
www.fkcscrewpress.com

FLOMATIC VALVES

Flomatic Valves
15 Pruyin's Island Dr.
Glens Falls, NY 12801
800-833-2040 • 518-761-9797 • Fax: 518-761-9798
flomatic@flomatic.com
www.flomatic.com

Ad on page 95

FlowMark Vacuum Trucks

827 S. 7th St.
Olathe, KS 66061
833-653-8100 • 913-653-8103
sales@flowmark.com
www.flowmark.com

Ad on page 91



G



GapVax, Inc.
575 Central Ave.
Johnstown, PA 15902
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com

Ad on page 115



GE Digital
2623 Camino Ramon
San Ramon, CA 94583
800-433-2682
www.ge.com/digital

GENERAC MOBILE

Generac Mobile Products, LLC

215 Power Dr.
Berlin, WI 54923
800-926-9768 • 920-361-4442
mobilemarketing@generac.com
www.generacmobileproducts.com

Ad on page 21



General Pipe Cleaners/General Wire Spring

1101 Thompson Ave.
McKees Rocks, PA 15136
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com

Ad on page 55

General Pump

1174 Northland Dr.
Mendota Heights, MN 55120
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com

Giant Industries

900 N Westwood
Toledo, OH 43607
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com



Global Pump

10162 E Coldwater Rd.
Davison, MI 48423
866-360-7867 • 810-653-4828 • Fax: 810-658-0632
sales@globalpump.com
www.globalpump.com



Gorman-Rupp Company

600 S Airport Rd.
Mansfield, OH 44903
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

Granite Inliner

4520 N State Rd. 37
Orleans, IN 47452
812-865-3232 • Fax: 812-865-3075
mike.green@gcinc.com
www.granite-inliner.com

Ad on page 15



H

H2TR

PO Box 204
East Lansing, MI 48826
517-204-2121
cam.howie@h2tr.com
www.H2TR.com

Ad on page 112

Halliday Products, Inc.

6401 Edgewater Dr.
Orlando, FL 32810
800-298-1027 • 407-298-4470
armond@hallidayproducts.com
www.hallidayproducts.com

Ad on page 111

HammerHead Trenchless

500 South C.P. Ave.
Lake Mills, WI 53551
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com

Ad on page 25

Hastings Irrigation Pipe Co.

1801 E South St.
Hastings, NE 68902
800-759-8823 • 402-463-6633 • Fax: 402-463-4355
www.hastingsirrigation.com



Hayward Flow Control

One Hayward Industrial Dr.
Clemmons, NC 27012
888-429-4635
www.haywardflowcontrol.com

Hermann Sewerin GmbH

Robert-Bosch-Str. 3
33334 Gutersloh
Germany
888-592-9916 • Fax: 495241934444
sewerin-usa@sewerin.net
www.sewerin.com

Ad on page 32

HotJet USA

14773 Heritage Crest Way
Riverton, UT 84065
800-624-8186 • 801-545-0777
sales@hotjetusa.com
www.hotjetusa.com

Ad on page 113



Hurco Technologies, Inc.

409 Enterprise St.
Harrisburg, SD 57032
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com

Ad on page 109

HydraTech Engineered Products

10488 Chester Rd
Cincinnati, OH 45050
513-827-9169 • Fax: 513-827-9171
info@hydratechllc.com
www.hydratechllc.com

Hydraulic Specialty

1131 72nd Ave. NE
Fridley, MN 55432
844-282-1060
www.hydraulicsspecialty.com



I

ICS, Blount, Inc.

4909 SE International Way
Portland, OR 97222
800-321-1240 • Fax: 503-653-4393
marketing@icsdiamondtools.com
www.icsdiamondtools.com

InfoSense, Inc.

8116 S Tryon St., Ste. B3-203
Charlotte, NC 28273
877-747-3245 • 704-644-1164 • Fax: 704-930-0145
sales@infosense.com
www.infosense.com

Ad on page 91

Infrastructure Repair Systems, Inc.

4301 A 34th St. N
St. Petersburg, FL 33714
877-327-4216 • 727-327-4216 • Fax: 727-327-4118
irsi@irsi.net
www.irsi.net



J

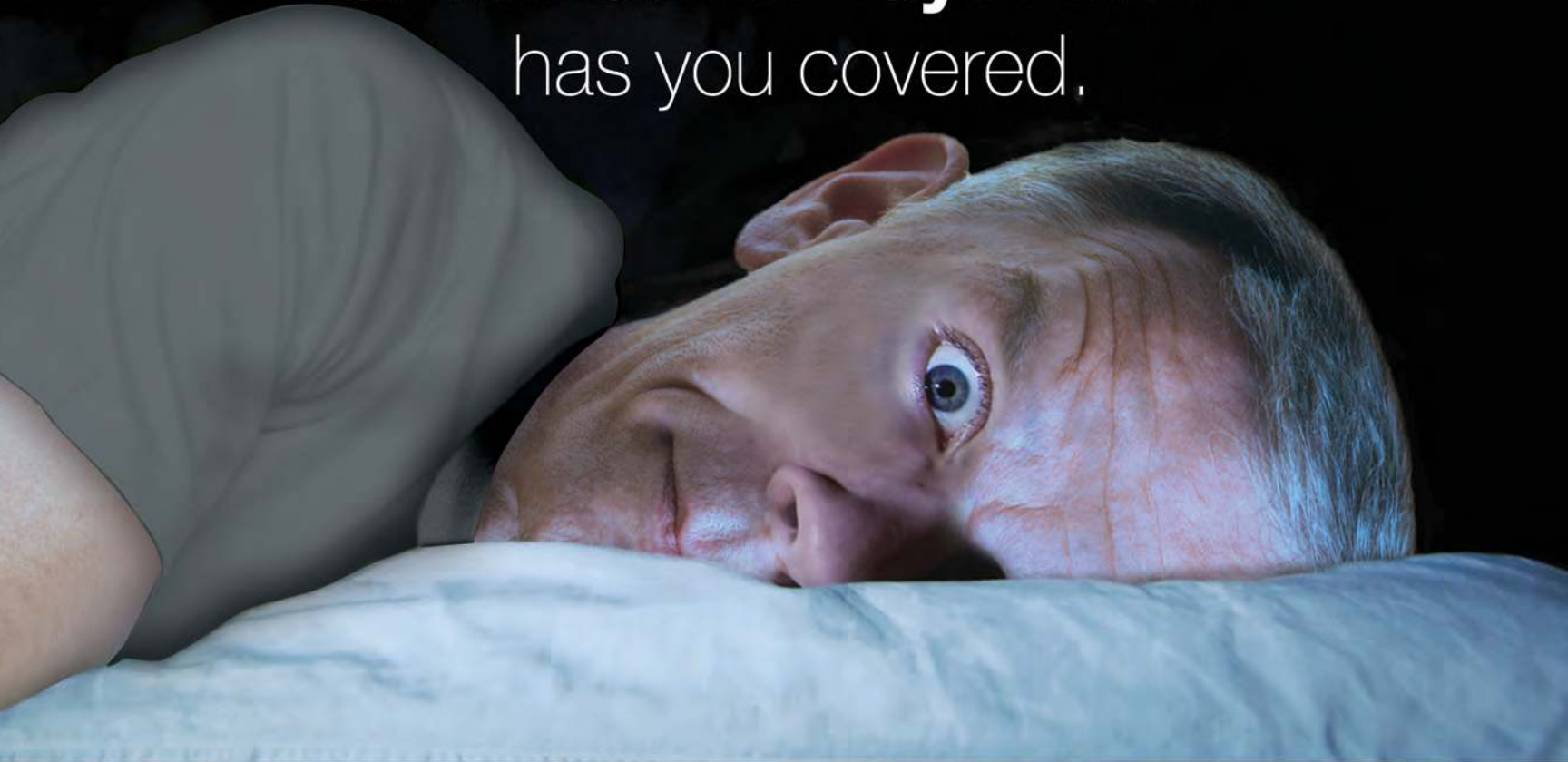
John Brooks Company Limited (Dynablast)

2625 Meadowpine Blvd.
Mississauga, ON L5N 7K5
888-881-6667 • 905-867-4642 • Fax: 905-567-4330
jthomson@dynablast.ca
www.dynablast.ca

JPCI Services

4702 E Virginia St.
Mesa, AZ 85215
480-986-1212
info@jpciservices.com
www.jpciservices.com

Something keeping you up at night?
Sleep well.
SmartCover[®] Systems[™]
has you covered.



Do you worry about what could go wrong with your collection system overnight?

Now you can rest easy.
SmartCover Systems has you covered.

SmartCover provides you with collection system visibility by offering real-time condition assessment, alerting you to a potential issue before it occurs. No more spills or mess.

We deliver more than data. We deliver peace of mind!



smartcoversystems.com/msw • sales@smartcoversystems.com • 760-291-1980



K



K&W Products, Inc.

26264 US Hwy. 98
Elberta, AL 36530
800-503-0076 • 251-986-7900 • Fax: 251-986-7902
sales@kwproducts.net
www.kwmiequipment.com

Ad on page 112

KEG Technologies, Inc.

6220 N Pinnacle Dr.
Spartanburg, SC 29303
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

Kohler Power Systems

444 Highland Dr.
Kohler, WI 53044
800-544-2444 • 920-457-4441
www.kohlerpower.com

Komline-Sanderson

12 Holland Ave.
Peapack, NJ 07977
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
info@komline.com
www.komline.com

Ad on page 73



Repair the past. Connect the future.

KRAUSZ is the creator of HYMAX

Krausz USA Inc.

331 SW 57th Ave.
Ocala, FL 34474
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauszusa.com
www.krauszusa.com



L



Lansas Mfg. by Vanderlans & Sons Inc.

1320 S Sacramento St.
Lodi, CA 95240
800-452-4902 • 209-334-4115 • Fax: 209-339-8260
info@lansas.com
www.lansas.com



LF Manufacturing, Inc.

5528 Hwy 290 E
Giddings, TX 78942
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfm-frp.com
www.lfm-frp.com

Liberty Pumps

7000 Apple Tree Ave.
Bergen, NY 14416
800-543-2550 • 585-494-1817 • Fax: 585-494-1839
liberty@libertypumps.com
www.libertypumps.com



Linabond, Inc.

1161 Avenida Acaso
Camarillo, CA 93012
805-484-7373
info@linabond.com
www.linabond.com



WE IMPROVE YOUR LIFE

LINAK U.S.

2200 Stanley Gault Pkwy
Louisville, KY 40223
502-253-5595 • Fax: 502-253-5596
info@linak-us.com
www.linak-us.com



Liner Products

1468 W Hospital Rd.
Paoli, IN 47454
812-723-0244 • Fax: 812-723-0405
info@linerproducts.com
www.linerproducts.com



M



Magnus Vac by Economy Drilling Solutions

5608 Industrial Blvd.
Edmond, OK 73034
405-513-8295
sales@magnusvmfg.com
www.magnusvac.com

Milwaukee Rubber Products, Inc.

N52 W13319 Falls Creek Ct.
Menomonie Falls, WI 53051
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com

Ad on page 113

Mr. Manhole

125 S Canal St.
Delphos, OH 45833
419-741-9075 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com

MTech

7401 First Place
Cleveland, OH 44146
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com

Ad on page 112



N

Neopoxy LLC

23964 Clawiter Road
Hayward, CA 94545
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

NLB Corporation

29830 Beck Rd.
Wixom, MI 48393
248-624-5555
nlbmtg@nlbusa.com
www.nlbcorp.com



NozzTeq Inc.

1949 Calumet St.
Clearwater, FL 33765
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com



O

OBIC, LLC

01116 County Rd 17
Bryan, OH 43506
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

OceanQuip Connectors, LLC

2251 Lafayette Ave.
Harvey, LA 70058
504-738-7833 • Fax: 888-979-8195
info@oceanquipconnectors.com
www.oceanquipconnectors.com

Ad on page 113

Odor Control Products and Equipment, LLC

601 Innovation Way, Stes 115 & 116
Daytona Beach, FL 32114
800-578-9404 • 844-456-2890 • Fax: 844-456-2891
info@ocpe.store
www.ocpe.store

Olsson

601 P St.
Lincoln, NE 68508
402-474-6311
www.olsson.com
Ad on page 19



P

Parson Environmental Products, Inc.

PO Box 25
Wernersville, PA 19565
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com

Pentair

1101 Myers Parkway
Ashland, OH 44805
855-274-8948 • Fax: 419-281-9980
myersashland@pentair.com
www.pentair.com

Ad on page 29



Perma-Liner Industries, LLC

13000 Automobile Blvd., Ste. 300
Clearwater, FL 33762
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com

Ad on page 5

Petersen Products Co.

421 Wheeler Ave.
Fredonia, WI 53021
800-926-1526 • 262-692-2416 • Fax: 262-692-2418
sales@petersenproducts.com
www.petersenproducts.com

Ad on page 99



Pipeline Renewal Technologies

111 Canfield Ave., Ste B3
Randolph, NJ 07869
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@pipelinert.com
www.pipelinert.com

Ad on page 41

Pollardwater

200 Atlantic Ave.
New Hyde Park, NY 11040
www.pollardwater.com

Pow-R Mole Trenchless Solutions

1400 Commerce Pkwy.
Lancaster, NY 14086
800-344-6653 • 716-683-2486
www.powrmole.com

Prime Resins

2291 Plunkett Rd.
Conyers, GA 30012
800-321-7212 • 770-388-0626 • Fax: 770-388-0936
info@primeresins.com
www.primeresins.com

Ad on page 112



Tight Space Specialist

The Power-Vee® with Power Cable Feed

When a drain cleaning job puts you in a tight spot, using the Power-Vee is like having an extra hand to make the job easier. Just squeeze the feed lever and the cable spins into the line. Retracting the cable is just as easy.

This compact tool feeds tough Flexicore® cables at up to 16 feet per minute. Convenient quick-change cartridges make cable switching quick, clean, and easy.

It's time to upgrade from manual feed machines. Have a Power-Vee ready for your next tight spot.

It puts power in the palm of your hand.

Call the Drain Brains® at 800-245-6200 or 412-771-6300, or visit www.drainbrain.com/powervee.



General **PIPE CLEANERS**

The toughest tools down the line.™



MADE IN USA

© General Wire Spring 2019



PRIMEX
22650 County Hwy. 6
Detroit Lakes, MN 56501
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com

Pritchard Brown
6501 Erdman Ave.
Baltimore, MD 21205
800-231-2258 • 410-483-5600
pbinfo@pritchardbrown.com
www.pritchardbrown.com

Ad on page 85

Pronal-USA, Inc.
3000 Opportunity Ct., Ste. A
South Daytona, FL 32119
386-310-1558 • Fax: 386-310-1559
tsimunac@pronal-usa.com
www.pronal-usa.com

Ad on page 77



Rainstopper
6905 Westport Ave.
Shreveport, LA 71129
800-483-4950 • 318-687-4330
rainstoppers.info@gmail.com
www.rainstopper.us

RapidView IBAK North America
1828 W Olson Rd.
Rochester, IN 46975
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com

Ad on page 49

Ratech Electronics, Ltd.
260 Spinnaker Way, Ste. 7
Vaughan, ON L4K 4P9
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

Reed Manufacturing
1425 W. 8th St.
Erie, PA 16502
800-666-3691 • 814-452-3691 • Fax: 814-455-1697
reedsales@reedmfgco.com
www.reedmfgco.com

Ad on page 93

Reline America
116 Battleground Ave.
Saltville, VA 24370
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com

Ad on page 93

Rhinocan Filtration Inc.
6025 Pontgrave
Montreal, QC H4K 2E7
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Rival Hydrovac Inc.
Box 5
Major, SK S0L 2H0
403-550-7997
tdell@rivalhydrovac.com
www.rivalhydrovac.com



Rock Creek MFG, LLC
37149 Pleasant Valley Rd.
Wister, OK 74966
918-385-1530 • Fax: 918-647-9240
obohannon@windstream.net
www.grabbitomo.com

Root Rat
PO Box 196
Bolivar, OH 44612
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
kelly@chempure.com
www.rootrat.net

Ad on page 113

RootX
PO Box 7626
Salem, OR 97303
800-844-4974 • 503-364-2999 • Fax: 503-485-5229
rootx@rootx.com
www.rootx.com



SAERTEX multiCom
12200 Mt. Holly-Huntersville Rd.
Huntersville, NC 28078
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multicom.com

Ad on page 101

Safe-Tee Chemical Company
16585 N 92nd St., Ste. 110
Scottsdale, AZ 85260
866-366-0587 • 480-968-6828 • Fax: 480-968-6776
service@safetechemical.com
www.safetechemical.com

Ad on page 112

Sauereisen, Inc.
160 Gamma Dr.
Pittsburgh, PA 15238
412-963-0303
jedavis@sauereisen.com
www.sauereisen.com

Ad on page 89

Schonstedt Instrument Company
100 Edmond Rd.
Kearneysville, WV 25430
800-999-8280 • 888-367-7014 • 304-725-1050
schonstedt.info@spcx.com
www.schonstedt.com

Ad on page 37

Sealing Systems, Inc.
9350 Cty. Rd. 19
Loretto, MN 55357
800-478-2054 • 763-478-2057 • Fax: 763-478-8868
pam@ssisealingsystems.com
www.ssisealingsystems.com

Ad on page 83

SEEPEx Inc.
511 Speedway Dr.
Enon, OH 45323
937-864-7150
sales.us@seepex.com
www.seepex.com

**Sewer Equipment Co. of America
by Sewer Equipment**
1590 Dutch Rd.
Dixon, IL 61021
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com

Ad on page 57

Sewer Pro Shop, LLC
1061 Triad Ct., Ste. 1
Marietta, GA 30062
877-864-9394 • 470-592-1715 • Fax: 770-984-2802
info@sewerproshop.com
www.sewerproshop.com

Ad on page 95

Sewer Shield Composites LLC
4702 E Virginia St.
Mesa, AZ 85215
480-830-9537
info@sewershieldcomposites.com
www.sewershieldcomposites.com

Sierra Instruments, Inc.
5 Harris Ct., Bldg. L
Monterey, CA 93940
800-866-0200 • 831-373-0200 • Fax: 831-373-4402
info@sierrainstruments.com
www.sierrainstruments.com

Simple Solutions Distributing

6 Jacobs Rd.
West Milford, NJ 07480
800-667-8465 • 973-846-7817 • Fax: 973-858-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com

Ad on page 112

Simpson Strong-Tie
5956 W Las Positas Blvd.
Pleasanton, CA 94588
800-925-5099 • Fax: 925-847-1603
web@strongtie.com
www.strongtie.com

SmartCover Systems

2110 Enterprise St
Escondido, CA 92029
760-291-1980
sales@smartcoversystems.com
www.smartcoversystems.com

Ad on page 53

SmartPhone Meter Reading (SPMR)
840 F Ave. Ste. 100
Plano, TX 75025
888-326-5032
info@smartphonemeterreading.com
www.smartphonemeterreading.com

Smith & Loveless, Inc.
14040 Santa Fe Trail Dr.
Lenexa, KS 66215
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Soil Surgeon, Inc.
PO Box 15083
Santa Ana, CA 92735
949-363-1401 • Fax: 714-434-9998
info@soilsurgeoninc.com
www.soilsurgeoninc.com

Ad on page 113



Sonetics
17600 SW 65TH AVE.
Lake Oswego, OR 97035-5229
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com

Ad on page 61

Southland Tool Mfg. Inc.
1430 N Hundley St.
Anaheim, CA 92806
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com

Ad on page 69



Spartan Tool
1619 Terminal Rd.
Niles, MI 49120
800-435-3866
sales@spartantool.com
www.spartantool.com

Specialty Maintenance Products

5711 Clarewood, #B
Houston, TX 77401
713-667-4402 • Fax: 713-669-8618
sales@smptools.com
www.smptools.com

Ad on page 79



Sprayroq, Inc.
4766 Grantswood Rd.
Ironton, AL 35210
800-634-0504 • 205-957-0020 • Fax: 205-957-0021
info@sprayroq.com
www.sprayroq.com

CAPPELLOTTO
by SEWER EQUIPMENT

GENESIS

WATER RECYCLER



- PURPOSE-BUILT AND APPLICATION SPECIFIC: NOT A BOLT-ON AFTERTHOUGHT
- 5-STAGE PASSIVE SEPARATION
- EFFECTIVELY RECYCLES GREASE, SOLIDS AND FINE SILTS
- EXCLUSIVE SMART BOOM WITH 65 FEET OF VACUUM HOSE
- BUILT-TO-LAST COMPONENTS
- USING DURABLE STAINLESS STEEL CONSTRUCTION

THE MOST INNOVATIVE SEWER CLEANING TECHNOLOGY



MODEL 400 ECO

MINI COMBINATION SEWER CLEANER

- BUILT-TO-LAST COMPONENTS USING DURABLE, STAINLESS STEEL CONSTRUCTION
- POWERFUL HIBON DISPLACEMENT 28" HG BLOWER WITH 4" SYSTEM
- NO CDL REQUIRED DUE TO 19,500 GVWR CHASSIS
- COMPACT OVERALL FOOTPRINT, IDEAL FOR URBAN ENVIRONMENTS AND LOW PARKING STRUCTURES



BOOK YOUR DEMO TODAY
1.888.471.7611

WWW.SEWEREQUIPMENT.COM

SEWER EQUIPMENT
CO. of AMERICA

by SEWER EQUIPMENT

Sto-Away Power Cranes, Inc.

9306 Grand Blvd.
Crown Point, IN 46307
800-622-9797 • 219-942-9797 • Fax: 219-947-2503
stoaway@comcast.net
www.stoaway.com

Ad on page 99

StormwaterONE

290 Pratt St.
Meriden, CT 06450
877-257-9777
info@stormwaterone.com
www.stormwaterone.com

SubSurface Instruments, Inc.

1230 Flight-Way Dr.
De Pere, WI 54115
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com

Ad on page 112

SubSurface Locators, Inc.

PO Box 5490
Incline Village, NV 89450
775-298-2701 • Fax: 775-298-2703
sldi@mindspring.com
www.subsurfaceleak.com

Ad on page 89



Super Products LLC

17000 W Cleveland Ave.
New Berlin, WI 53151
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com

Ad on page 67



Superior Signal Company LLC

178 W Greystone Rd.
Old Bridge, NJ 08857
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.SuperiorSignal.com/MSW

Ad on page 113

Suttner America Company

14864 W Ridge Ln.
Dubuque, IA 52003
800-831-0660
sales@suttner.com
www.suttner.com



T&T Tools Inc.

4470 128th Ave.
Holland, MI 49424
800-521-6893 • Fax: 800-521-3260
sales@mightyprobe.com
www.mightyprobe.com

Ad on page 97

Tech Products, Inc.

105 Willow Ave.
Staten Island, NY 10305
800-221-1311 • 718-442-4900 • Fax: 718-442-2124
DOConnor@TechProducts.com
www.techproducts.com



Terra Tape Underground Marking Tape

9209 Alameda Genoa Rd.
Houston, TX 77075
800-231-6074
ri@reefindustries.com
www.terratape.com



The Plug Hug LLC

PO Box 386
Bellville, OH 44813
719-313-2791 • Fax: 719-213-2000
douglasmarshall@theplughug.com
www.theplughug.com

Ad on page 8

The Strong Company, Inc.

4505 Emmett Sanders Rd.
Pine Bluff, AR 72207
800-982-8009 • 870-535-7617 • Fax: 870-850-6933
info@strongseal.com
www.strongseal.com

Ad on page 31

Tornado Global Hydrovac's Ltd.

7015 Macleod Trail S, Ste. 510
Calgary, AB T2H 2K6
877-340-8141 • 403-742-6121
media@tghl.ca
www.tornadotrucks.com

Ad on page 59

Total Piping Solutions, Inc.

PO Box 525
Olean, NY 14760
716-372-0160 • Fax: 716-372-1767
sales@tps.us
www.tps.us

Ad on page 111

Trench Plate Rental Co.

4745 Bakers Ferry Rd. SW
Atlanta, GA 30336
800-746-7464 • 404-505-0510 • Fax: 404-505-0506
info@shoring.com
www.shoring.com

Ad on page 87



Trenchless Rental Solutions

117 Pekin
East Canton, OH 44730
234-214-0722
terryb@trs.rent
www.trs.rent



TRIC Tools, Inc.

1350 South Loop Rd., Ste. 104
Alameda, CA 94502
888-883-8742 • 510-629-4167 • Fax: 510-217-9493
john.rafferty@trictools.com
www.trictools.com

Triton Lining Systems LLC

3 Cordwood Path
Saint James, NY 11780
407-928-9339
gary@tritonpipe.com
www.tritonpipelining.com

TruGrit Traction Inc.

PO Box 2084
Winter Park, FL 32790
407-900-1091
info@trugrittraction.com
www.TruGritTraction.com

TURBO FOG

Division of Kingscote Chemicals

3334 S Tech Blvd.
Miamisburg, OH 45342
800-394-0678 • 937-886-9100 • Fax: 937-886-9300
sales@kingscotechemicals.com
www.turbo-fog.com

Ad on page 112



Universal Flow Monitors, Inc.

1755 E Nine Mile Rd.
Hazel Park, MI 48030
888-569-3090 • 248-542-9635 • Fax: 248-398-4274
sales@flowmeters.com
www.flowmeters.com

USB-USA LLC

7565 Owl Creek Dr.
Douglasville, GA 30134
844-285-5770 • 678-214-7965 • Fax: 678-649-1766
info@usb-usa.com
www.usb-usa.com

Ad on page 102



Vacall

406 Mill Ave. SW
New Philadelphia, OH 44663
800-445-4752 • 330-339-2211 • Fax: 330-339-8468
mnorman@gradall.com
www.vacall.com

Ad on page 39

Vector Manufacturing

1621 S Illinois St.
Streator, IL 61364
800-627-3171 • 815-672-3171
sales@vactor.com
www.vactor.com

Ad on page 3

Vacuum Sales, Inc.

51 Stone Rd.
Lindenwold, NJ 08021
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Vac-Con

969 Hall Park Rd.
Green Cove Springs, FL 32043
904-284-4200
vns@vac-con.com
www.vac-con.com

Ad on pages 47, 116

VANAIR

10896 W 300 N
Michigan City, IN 46360
800-526-8817 • 219-879-5100 • Fax: 219-879-5800
marketing@vanair.com
www.vanair.com

Ad on page 24

TORNADO GLOBAL HYDROVACS

INSPIRED BY NATURE. ENGINEERED TO PERFORM.



F3 ECO-LITE



F4 ECO-LITE



F5 ECO-LITE

Vaughan Company, Inc.

364 Monte Elma Rd.
Montesano, WA 98563
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com

Ad on page 45

VEGA Americas, Inc.

4170 Rosslyn Dr.
Cincinnati, OH 45209
800-367-5383 • 513-272-0131 • Fax: 513-272-0133
americas@vega.com
www.vega.com

Ad on page 65

Vermeer MV Solutions

27137 S Hwy 33
Okahumpka, FL 34762
352-728-2222
sales@vactron.com
www.vermeermvs.com

Vertiflo Pump Company

7807 Redsky Dr.
Cincinnati, OH 45249
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

Vivax-Metrotech Corp.

3251 Olcott St.
Santa Clara, CA 95054
800-446-3392 • 408-734-1400
sales@vxmt.com
www.vivax-metrotech.com

Ad on page 38

VMAC

1333 Kipp Rd.
Nanaimo, BC V9X 1R3
800-738-8622 • 250-740-3200 • Fax: 250-740-3201
marketing@vmacair.com
www.vmacair.com

Ad on page 14



Warrior Trenchless Solutions

1400 Commerce Pkwy.
Lancaster, NY 14086
716-601-7760
www.thermoformliner.com

Water Cannon, Inc. - MWBE

4300 W Lake Mary Blvd., Units 1010-424
Lake Mary, FL 32746-2449
800-333-9274 • 321-800-5763 • Fax: 888-928-9274
sales@watercannon.com
www.watercannon.com/catalogrequest.aspx

WinCan

300 Cedar Ridge Dr., Ste. 308
Pittsburgh, PA 15205
877-626-8386
sales.us@wincan.com
www.wincan.com

Ad on page 7

LISTINGS BY CATEGORY

Advanced Metering Infrastructure (AMI)

Ferguson Waterworks
Newport News, VA
www.ferguson.com/waterworks

SmartPhone Meter Reading (SPMR)

Plano, TX
888-326-5032
info@smartphonemeterreading.com
www.smartphonemeterreading.com

Aeration Equipment/Systems

American Pleasure Products, Inc.

Rose City, MI
989-685-2697 • Fax: 989-685-8484
info@aquacycleusa.com
www.aquacycleusa.com

Ad on page 83

Alarm Systems/Components

GE Digital
San Ramon, CA
800-433-2682
www.ge.com/digital



Liberty Pumps

Bergen, NY
800-543-2550 • 585-494-1817 • Fax: 585-494-1839
liberty@libertypumps.com
www.libertypumps.com

Asset Management



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com

Ad on page 35

Duke's Root Control, Inc.

Syracuse, NY
800-447-6687 • 315-472-4781 • Fax: 315-475-4203
lynn@dukes.com
www.dukes.com

Ad on page 9

GE Digital

San Ramon, CA
800-433-2682
www.ge.com/digital

InfoSense, Inc.

Charlotte, NC
877-747-3245 • 704-644-1164 • Fax: 704-930-0145
sales@infosense.com
www.infosense.com

Ad on page 91

Automatic Meter Reading (AMR)

Ferguson Waterworks
Newport News, VA
www.ferguson.com/waterworks

SmartPhone Meter Reading (SPMR)

Plano, TX
888-326-5032
info@smartphonemeterreading.com
www.smartphonemeterreading.com

Bacteria - Grease

Anue Water Technologies

Tucker, GA
760-727-2683
tchandler@anuewater.com
www.anuewater.com

Environmental Chemical Corp.

Uniontown, OH
800-262-0458 • 330-453-5200 • Fax: 330-453-9646
sales@environmentalchemical.com
www.environmentalchemical.com

Ad on page 113

Rhinocan Filtration Inc.

Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Bacteria - Septic

Environmental Chemical Corp.

Uniontown, OH
800-262-0458 • 330-453-5200 • Fax: 330-453-9646
sales@environmentalchemical.com
www.environmentalchemical.com

Ad on page 113

Simple Solutions Distributing

West Milford, NJ
800-667-8465 • 973-846-7817 • Fax: 973-858-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com

Ad on page 112

Bacteria - Wastewater

Anue Water Technologies

Tucker, GA
760-727-2683
tchandler@anuewater.com
www.anuewater.com

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

Rhinocan Filtration Inc.

Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Simple Solutions Distributing

West Milford, NJ
800-667-8465 • 973-846-7817 • Fax: 973-858-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com

Ad on page 112

Bacteria/Chemicals - Grease

Safe-Tee Chemical Company

Scottsdale, AZ
866-366-0587 • 480-968-6828 • Fax: 480-968-6776
service@safetechemical.com
www.safetechemical.com

Ad on page 112

Boring & Tunneling Rental Equipment

Trenchless Rental Solutions

East Canton, OH
234-214-0722
terryb@trs.rent
www.trs.rent

Box Culverts

HydraTech Engineered Products

Cincinnati, OH
513-827-9169 • Fax: 513-827-9171
info@hydrattechllc.com
www.hydrattechllc.com

NOW THERE'S A BETTER WAY TO COMMUNICATE

If you're shouting to be heard, pushing buttons to talk, or relying on hand-signals to interpret actions— it's time to put on a Sonetics wireless headset and **EXPERIENCE THE BIG DIFFERENCE.**

Sonetics®

Hear what's important.

soneticscorp.com/public-works
877.959.9189



Bucket Machines

Sewer Equipment Co. of America by Sewer Equipment

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 57

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 69

Cable Drain Cleaning Machines



Electric Eel Mfg.

Springfield, OH
800-833-1212 • Fax: 937-323-3767
info@electriceel.com
www.electriceel.com
Ad on page 112



General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • Fax: 412-771-6300
info@drainbrain.com
www.drainbrain.com
Ad on page 55



Spartan Tool

Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com

Cable/Cable Attachments

Dynamic Repairs

Lodi, NJ
973-478-0893 • Fax: 973-478-0895
dynamicablerepairs@yahoo.com
www.dynamicrepairs.biz
Ad on page 113

Enz USA Inc.

Aurora, IL
877-362-8721 • Fax: 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71

General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • Fax: 412-771-6300
info@drainbrain.com
www.drainbrain.com
Ad on page 55

OceanQuip Connectors, LLC

Harvey, LA
504-738-7833 • Fax: 888-979-8195
info@oceanquipconnectors.com
www.oceanquipconnectors.com
Ad on page 113



Spartan Tool

Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com

Camera Tractor Wheels

Aries Industries

Waukesha, WI
800-234-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 11



CUES, Inc.

Orlando, FL
800-327-7791 • Fax: 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Ratech Electronics, Ltd.

Vaughan, ON
800-461-9200 • Fax: 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com



TruGrit Traction Inc.

Winter Park, FL
407-900-1091
info@trugrittraction.com
www.TruGritTraction.com

Catch Basin Cleaners

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

Milwaukee Rubber Products, Inc.

Menomonee Falls, WI
800-325-3730 • Fax: 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeerubber.com
www.milwaukeerubber.com
Ad on page 113

MTech

Cleveland, OH
800-362-0240 • Fax: 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 112



Rock Creek MFG, LLC

Wister, OK
918-385-1530 • Fax: 918-647-9240
obohannon@windstream.net
www.grabbitoma.com

Sewer Equipment Co. of America by Sewer Equipment

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 57

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 69

Super Products LLC

New Berlin, WI
800-837-9711 • Fax: 262-784-7100
info@superproductsllc.com
www.superproductsllc.com
Ad on page 67



Vacall

New Philadelphia, OH
800-445-4752 • Fax: 330-339-2211 • Fax: 330-339-8468
mtnorman@gradoll.com
www.vacall.com
Ad on page 39

Vactor Manufacturing

Streator, IL
800-627-3171 • Fax: 815-672-3171
sales@vactor.com
www.vactor.com
Ad on page 3

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • Fax: 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com



Vac-Con

Green Cove Springs, FL
904-284-4200
vns@vac-con.com
www.vac-con.com
Ad on pages 47, 116

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeermvms.com

Catch Basin Filter

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Best Management Products, Inc.

East Haddam, CT
800-504-8008 • Fax: 877-434-3197
tjm@bmpinc.com
www.bmpinc.com
Ad on page 10

Catch Basins

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

American Highway Products Ltd.

Bolivar, OH
888-272-2397 • Fax: 330-874-3270 • Fax: 330-874-3800
sales@ahp1.com
www.ahp1.com
Ad on page 81

Root Rat

Bolivar, OH
800-288-7873 • Fax: 330-874-4300 • Fax: 330-874-4448
kelly@chempure.com
www.rootrat.net
Ad on page 113

Chemicals - Cleaning

Anue Water Technologies

Tucker, GA
760-727-2683
tchandler@anuewater.com
www.anuewater.com

Cortec Corporation

St. Paul, MN
651-429-1100
productsinfo@cortecvci.com
www.cortecvci.com

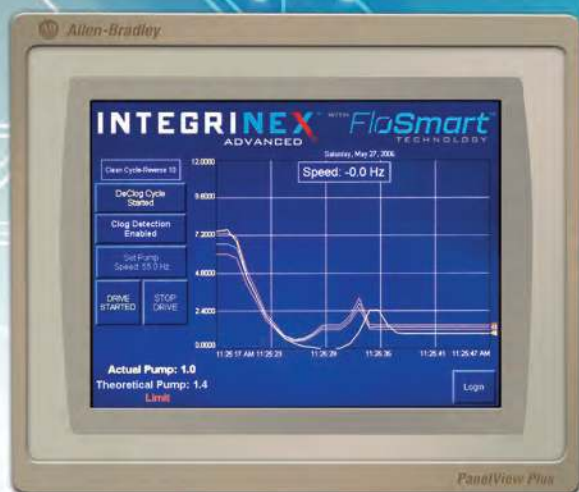
Safe-Tee Chemical Company

Scottsdale, AZ
866-366-0587 • Fax: 480-968-6828 • Fax: 480-968-6776
service@safetechemical.com
www.safetechemical.com
Ad on page 112

THE BRAINS BEHIND THE OPERATION.

GOR
GORMAN-RUPP
PUMPS

The Pump People®



Integrinex™ Advanced controls with FloSmart™ technology are smart enough to detect a pump obstruction...and clear it.

Gorman-Rupp's Integrinex™ Advanced controls with new FloSmart™ technology are the brains behind the management of your ReliaSource® lift station. FloSmart technology, featuring integrated architecture, is capable of recognizing when a pump is clogging and initiating a cleaning cycle without interfering with the operation of your pump station. For more information, call us at 419.755.1011 or visit GRpumps.com.



**Visit Gorman-Rupp Pumps at WEFTEC
Booth #1231**

Sept. 23-25, 2019 • Chicago, IL

INTEGRINEX™
ADVANCED

WITH **FloSmart**™
TECHNOLOGY

Chemicals - Dewatering

SEEPEx Inc.

Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Chemicals - Wastewater Treatment

Anue Water Technologies

Tucker, GA
760-727-2683
tchandler@anuewater.com
www.anuewater.com

CHEMetrics, Inc.

Midland, VA
800-356-3072 • 540-788-9026 • Fax: 540-788-4856
marketing@chemetrics.com
www.chemetrics.com

Cortec Corporation

St. Paul, MN
651-429-1100
productsinfo@cortecvci.com
www.cortecvci.com

Environmental Chemical Corp.

Uniontown, OH
800-262-0458 • 330-453-5200 • Fax: 330-453-9646
sales@environmentalchemical.com
www.environmentalchemical.com

Ad on page 113

OBIC, LLC

Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

Odor Control Products and Equipment, LLC

Daytona Beach, FL
800-578-9404 • 844-456-2890 • Fax: 844-456-2891
info@ocpe.store
www.ocpe.store

Pollardwater

New Hyde Park, NY
www.pollardwater.com

SEEPEx Inc.

Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Chemicals - Water Treatment

Anue Water Technologies

Tucker, GA
760-727-2683
tchandler@anuewater.com
www.anuewater.com

CHEMetrics, Inc.

Midland, VA
800-356-3072 • 540-788-9026 • Fax: 540-788-4856
marketing@chemetrics.com
www.chemetrics.com

Cortec Corporation

St. Paul, MN
651-429-1100
productsinfo@cortecvci.com
www.cortecvci.com

OBIC, LLC

Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

Pollardwater

New Hyde Park, NY
www.pollardwater.com

CIPP Equipment and Materials



Applied Felts, Inc.

Martinsville, VA
276-656-1904
info@appliedfelts.com
appliedfelts.com

Ad on page 13

Cortec Corporation

St. Paul, MN
651-429-1100
productsinfo@cortecvci.com
www.cortecvci.com

THE SHOOTER®

Emagineered Solutions, Inc.

Redmond, OR
541-504-0416
ray.i@emagineered.com
www.theshootercipp.com

Envirosight LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com

Ad on page 2



Granite Inliner

Orleans, IN
812-865-3232 • Fax: 812-865-3075
mike.green@gcinc.com
www.granite-inliner.com

Ad on page 15

HammerHead Trenchless

Lake Mills, WI
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com

Ad on page 25

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com



Liner Products

Paoli, IN
812-723-0244 • Fax: 812-723-0405
info@linerproducts.com
www.linerproducts.com

Neopoxy LLC

Hayward, CA
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

OceanQuip Connectors, LLC

Harvey, LA
504-738-7833 • Fax: 888-979-8195
info@oceanquipconnectors.com
www.oceanquipconnectors.com

Ad on page 113



Perma-Liner Industries, LLC

Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com

Ad on page 5

Pipeline Renewal Technologies

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@pipelinert.com
www.pipelinert.com

Ad on page 41



Reline America

116 Battleground Ave.
Salvill, VA 24370
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com

Ad on page 93



SAERTEX multiCom

Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multicom.com

Ad on page 101



Thermoform

Warrior Trenchless Solutions
Lancaster, NY
716-601-7760
www.thermoformliner.com

Clothing/Workwear

Milwaukee Rubber Products, Inc.

Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com

Ad on page 113

Coatings/Linings/ Sealants

AP/M Permaform

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
info@permaform.net
www.permaform.net

Ad on page 75

Cortec Corporation

St. Paul, MN
651-429-1100
productsinfo@cortecvci.com
www.cortecvci.com

Environmental Coatings LLC

Mesa, AZ
480-984-7608
info@sewershield.com
www.sewershield.com

HammerHead Trenchless

Lake Mills, WI
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com

Ad on page 25

HydraTech Engineered Products

Cincinnati, OH
513-827-9169 • Fax: 513-827-9171
info@hydrattechllc.com
www.hydrattechllc.com

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • 727-327-4216 • Fax: 727-327-4118
irsi@irsi.net
www.irsi.net

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com

Neopoxy LLC

Hayward, CA
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

OBIC, LLC

Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

Parson Environmental Products, Inc.

Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com



Radar sensor
\$578

Affordable radar sensor for level measurement with water management in mind.

Reliably track the level in water treatment facilities, lift stations, and get accurate flow measurements in open channels.

VEGAPULS WL S 61

- Measuring range up to 26 feet
- Unaffected by weather, condensation, and even spider webs
- Floodproof IP 68 housing
- Bluetooth setup and operation with smartphone, tablet, or PC

Further information: www.vega.com/wls61

Call 1-800-FOR-LEVEL

VEGA Americas, Inc.

americas@vega.com



WEFTEC Booth #8543

Looking Forward

VEGA



Perma-Liner Industries, LLC
Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5



SAERTEX multiCom
Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multi.com
Ad on page 101

Sauereisen, Inc.
Pittsburgh, PA
412-963-0303
jedavis@sauereisen.com
www.sauereisen.com
Ad on page 89

Simpson Strong-Tie
Pleasanton, CA
800-925-5099 • Fax: 925-847-1603
web@strongtie.com
www.strongtie.com

Sprayroq, Inc.
Ironton, AL
800-634-0504 • 205-957-0020 • Fax: 205-957-0021
info@sprayroq.com
www.sprayroq.com

Triton Lining Systems LLC
Saint James, NY
407-928-9339
gary@tritonpipe.com
www.tritonpipelining.com

Communication Equipment



Sonetics
LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com
Ad on page 61

Consulting/ Engineering

Endress+Hauser
Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com

InfoSense, Inc.
Charlotte, NC
877-747-3245 • 704-644-1164 • Fax: 704-930-0145
sales@infosense.com
www.infosense.com
Ad on page 91

KEG Technologies, Inc.
Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

Kohler Power Systems
Kohler, WI
800-544-2444 • 920-457-4441
www.kohlerpower.com

Olsson
Lincoln, NE
402-474-6311
www.olsson.com
Ad on page 19

Triton Lining Systems LLC
Saint James, NY
407-928-9339
gary@tritonpipe.com
www.tritonpipelining.com

Cranes/Hoists/ Winches



Rock Creek MFG, LLC
Wister, OK
918-385-1530 • Fax: 918-647-9240
obohannon@windstream.net
www.grabbitomo.com

Sto-Away Power Cranes, Inc.
Crown Point, IN
800-622-9797 • 219-942-9797 • Fax: 219-947-2503
stoaway@comcast.net
www.stoaway.com
Ad on page 99

Data Loggers/ Management

Endress+Hauser
Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com



Hermann Sewerin GmbH
33334 Gutersloh
Germany
888-592-9916 • Fax: 495241934444
sewerin-usa@sewerin.net
www.sewerin.com
Ad on page 32

Hurco Technologies, Inc.
Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com
Ad on page 109

PRIMEX
Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com

SmartPhone Meter Reading (SPMR)
Plano, TX
888-326-5032
info@smartphonemeterreading.com
www.smartphonemeterreading.com

Detection Equipment

AMETEK Brookfield
Chandler, AZ
800-528-7411 • 602-470-1414 • Fax: 602-281-1745
sales@azic.com
www.azic.com
Ad on page 24

Endress+Hauser
Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com



Hermann Sewerin GmbH
33334 Gutersloh Germany
888-592-9916 • Fax: 495241934444
sewerin-usa@sewerin.net
www.sewerin.com
Ad on page 32

Milwaukee Rubber Products, Inc.
Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com
Ad on page 113



Schonstedt Instrument Company
Kearneysville, WV
800-999-8280 • 888-367-7014 • 304-725-1050
schonstedt.info@spx.com
www.schonstedt.com
Ad on page 37



SubSurface Instruments, Inc.
De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com
Ad on page 112

Dewatering Equipment

Boerger, LLC
Chanhausen, MN
612-435-7300 • Fax: 612-435-7301
america@boerger.com
www.boerger.com

**Bright Technologies,
Division of Sebright Products, Inc.**
Hopkins, MI
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
julie@brightbeltpress.com
www.brightbeltpress.com
Ad on page 97

Bucher Municipal North America Inc.
Moorestville, SC
704-658-1333 • Fax: 704-658-1377
info.bmna@buchermunicipal.com
www.buchermunicipal.us
Ad on page 20



Enviro-Care Company
Gurnee, IL
815-636-8306
ecsales@enviro-care.com
www.enviro-care.com

FKC Co., Ltd.
Port Angeles, WA
360-452-9472
mail@fkcscrewpress.com
www.fkcscrewpress.com

Generac Mobile Products, LLC
Berlin, WI
800-926-9768 • 920-361-4442
mobilemarketing@generac.com
www.generacmobileproducts.com
Ad on page 21

Gorman-Rupp Company
Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 63

Hastings Irrigation Pipe Co.
Hastings, NE
800-759-8823 • 402-463-6633 • Fax: 402-463-4355
www.hastingsirrigation.com

Komline-Sanderson
Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
info@komline.com
www.komline.com
Ad on page 73

Smith & Loveless, Inc.
Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

CAMEL[®] SEWER & CATCH BASIN CLEANER



THE MOST VERSATILE COMBO IN THE INDUSTRY

Call today for your free onsite demo!

800.837.9711 • SUPERPRODUCTSLLC.COM



Super Products, an Alamo Group Company, is a leading manufacturer of sewer cleaners and other vacuum trucks for a variety of applications.
800.837.9711 | info@superproductsllc.com | www.superproductsllc.com

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

Dredging Equipment

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • 402-463-6633 • Fax: 402-463-4355
www.hastingsirrigation.com

Easement Machine

3T Equipment Co. Inc.

Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com
Ad on page 103



K&W Products, Inc.

Elberta, AL
800-503-0076 • 251-986-7900 • Fax: 251-986-7902
sales@kwproducts.net
www.kwmiequipment.com
Ad on page 112

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 112

Sewer Equipment Co. of America by Sewer Equipment

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 57

Education

A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com



Emerson

Florham Park, NJ
800-972-2726
asco.info-valve@emerson.com
www.emerson.com/leadfree
Ad on page 14

Enz USA Inc.

Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71

NozzTeq Inc.

Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com

Enclosures

Pritchard Brown

Baltimore, MD
800-231-2258 • 410-483-5600
pbinfo@pritchardbrown.com
www.pritchardbrown.com
Ad on page 85

Epoxy Coatings

AP/M Permaform

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
info@permaform.net
www.permaform.net
Ad on page 75

CCI Pipeline Systems

Breaux Bridge, LA
800-867-2772 • 337-332-5808 • Fax: 337-332-5809
sales@ccipipe.com
www.ccipipe.com
Ad on page 87

Environmental Coatings LLC

Mesa, AZ
480-984-7608
info@sewershield.com
www.sewershield.com

HydraTech Engineered Products

Cincinnati, OH
513-827-9169 • Fax: 513-827-9171
info@hydrattechllc.com
www.hydrattechllc.com

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • 727-327-4216 • Fax: 727-327-4118
irsi@irsi.net
www.irsi.net

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com

Neopoxy LLC

Hayward, CA
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

OBIC, LLC

Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

Prime Resins

Conyers, GA
800-321-7212 • 770-388-0626 • Fax: 770-388-0936
info@primeresins.com
www.primeresins.com
Ad on page 112

Sauereisen, Inc.

Pittsburgh, PA
412-963-0303
jedavis@sauereisen.com
www.sauereisen.com
Ad on page 89

Simpson Strong-Tie

Pleasanton, CA
800-925-5099 • Fax: 925-847-1603
web@strongtie.com
www.strongtie.com

Triton Lining Systems LLC

Saint James, NY
407-928-9339
gary@tritonpipe.com
www.tritonpipelining.com

Erosion Control

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Ferguson Waterworks

Newport News, VA
www.ferguson.com/waterworks

Prime Resins

Conyers, GA
800-321-7212 • 770-388-0626 • Fax: 770-388-0936
info@primeresins.com
www.primeresins.com
Ad on page 112

Sealing Systems, Inc.

Loretto, MN
800-478-2054 • 763-478-2057 • Fax: 763-478-8868
pam@ssisealingsystems.com
www.ssisealingsystems.com
Ad on page 83

Excavating Equipment

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

Sewer Equipment Co. of America by Sewer Equipment

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 57

Sonetics

LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com
Ad on page 61

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com
Ad on page 67

Suttner America Company

Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com

Tornado Global Hydrovacs Ltd.

Calgary, AB
877-340-8141 • 403-742-6121
media@tghl.ca
www.tornadotrucks.com
Ad on page 59

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeermvs.com

Filters - Wastewater

Hayward Flow Control

Clemmons, NC
888-429-4635
www.haywardflowcontrol.com

Komline-Sanderson

Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
info@komline.com
www.komline.com
Ad on page 73

Rhinoc Filtration Inc.

Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Smith & Loveless, Inc.

Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Fittings - Sewer & Drain

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Dallas Specialty & Mfg. Co.

Grand Prairie, TX
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspc.com
www.dallasspecialty.com

Ferguson Waterworks

Newport News, VA
www.ferguson.com/waterworks

SOUTHLAND TOOL MFG. INC.

Building Innovative Tools for Municipalities



**SOLUTIONS TO SEWER
CLEANING THROUGH:**
CONCEPT
DESIGN
PRODUCTION



Manhole Tools • Debris Baskets • Vac-Traps • Root Saws • Calcium Cutters • Sewer Rods
Handy Clams • Nozzle Extensions • Deep Vac Tube Holder • Grabbers Claws and Hooks
Diamond Tap Cutters • Fiberglass Poles • Hydraulic Cutters • Top Manhole Rollers • Sewer Spoons
Continuous Rod • Carbide Saws • Vacuum Coupling • Reducers • Hydro Excavation



1430 N. Hundley St
Anaheim, CA 92806

ph: 714.632.8198
fax: 714.632.8228

YouTube
www.SouthlandTool.com

Krausz USA Inc.
Ocala, FL
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauszusa.com
www.krauszusa.com

Milwaukee Rubber Products, Inc.
Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com
Ad on page 113

Rhinoc Filtration Inc.
Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Suttner America Company
Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com

Vacuum Sales, Inc.
Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Fittings - Vacuum

Hastings Irrigation Pipe Co.
Hastings, NE
800-759-8823 • 402-463-6633 • Fax: 402-463-4355
www.hastingsirrigation.com

Magnus Vac by Economy Drilling Solutions
Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

Milwaukee Rubber Products, Inc.
Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com
Ad on page 113

Vacuum Sales, Inc.
Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Flange Tools

Reed Manufacturing
Erie, PA
800-666-3691 • 814-452-3691 • Fax: 814-455-1697
reedsales@reedmfgco.com
www.reedmfgco.com
Ad on page 93

Flow Control/ Monitoring

Aarcomm Systems Inc.
Coquitlam, BC
800-604-9218
sales@aarcomm.com
www.aarcomm.com

ADS ENVIRONMENTAL SERVICES®
ADS Environmental Services
Huntsville, AL
800-633-7246 • 256-430-3366 • Fax: 256-430-6633
adsales@idexcorp.com
www.adsenv.com
Ad on page 43

AMETEK Brookfield
Chandler, AZ
800-528-7411 • 602-470-1414 • Fax: 602-281-1745
sales@azic.com
www.azic.com
Ad on page 24



Emerson
Florham Park, NJ
800-972-2726
asco.info-valve@emerson.com
www.emerson.com/leadfree
Ad on page 14

Endress+Hauser
Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com

GE Digital
San Ramon, CA
800-433-2682
www.ge.com/digital

Hayward Flow Control
Clemmons, NC
888-429-4635
www.haywardflowcontrol.com

LINAK U.S.
Louisville, KY
502-253-5595 • Fax: 502-253-5596
info@linak-us.com
www.linak-us.com

Pollardwater
New Hyde Park, NY
www.pollardwater.com

PRIMEX
Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com



Sierra Instruments, Inc.
Monterey, CA
800-866-0200 • 831-373-0200 • Fax: 831-373-4402
info@sierrainstruments.com
www.sierrainstruments.com

Universal Flow Monitors, Inc.
Hazel Park, MI
888-569-3090 • 248-542-9635 • Fax: 248-398-4274
sales@flowmeters.com
www.flowmeters.com

Gas Monitors/ Detection

AMETEK Brookfield
Chandler, AZ
800-528-7411 • 602-470-1414 • Fax: 602-281-1745
sales@azic.com
www.azic.com
Ad on page 24



Hermann Sewerin GmbH
33334 Gutersloh
Germany
888-592-9916 • Fax: 495241934444
sewerin-usa@sewerin.net
www.sewerin.com
Ad on page 32

Milwaukee Rubber Products, Inc.
Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com
Ad on page 113

MTech
Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mttechcompany.com
Ad on page 112

Sierra Instruments, Inc.
Monterey, CA
800-866-0200 • 831-373-0200 • Fax: 831-373-4402
info@sierrainstruments.com
www.sierrainstruments.com

Universal Flow Monitors, Inc.
Hazel Park, MI
888-569-3090 • 248-542-9635 • Fax: 248-398-4274
sales@flowmeters.com
www.flowmeters.com

Generators/ Air Compressors

Generac Mobile Products, LLC
Berlin, WI
800-926-9768 • 920-361-4442
mobilemarketing@generac.com
www.generacmobileproducts.com
Ad on page 21

Kohler Power Systems
Kohler, WI
800-544-2444 • 920-457-4441
www.kohlerpower.com

Pritchard Brown
Baltimore, MD
800-231-2258 • 410-483-5600
pbinfo@pritchardbrown.com
www.pritchardbrown.com
Ad on page 85



VANAIR
Michigan City, IN
800-526-8817 • 219-879-5100 • Fax: 219-879-5800
marketing@vanair.com
www.vanair.com
Ad on page 24

VMAC
Nanaimo, BC
800-738-8622 • 250-740-3200 • Fax: 250-740-3201
marketing@vmacair.com
www.vmacair.com
Ad on page 14

Grease Handling Equipment

Anue Water Technologies
Tucker, GA
760-727-2683
tchandler@anuewater.com
www.anuewater.com

**Bright Technologies,
Division of Sebright Products, Inc.**
Hopkins, MI
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
julie@brightbeltpress.com
www.brightbeltpress.com
Ad on page 97

NozzTeq Inc.
Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com

Rhinoc Filtration Inc.
Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Safe-Tee Chemical Company
Scottsdale, AZ
866-366-0587 • 480-968-6828 • Fax: 480-968-6776
service@safetechemical.com
www.safetechemical.com
Ad on page 112

Grease Interceptors

Advanced Drainage Systems, Inc.
Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Best Management Products, Inc.
East Haddam, CT
800-504-8008 • 410-687-6256 • Fax: 877-434-3197
tjm@bmpinc.com
www.bmpinc.com
Ad on page 10

Rhinocan Filtration Inc.
 Montreal, QC
 833-495-4343 • 514-495-4343 • Fax: 866-581-8922
 info@rhinofiltration.com
 www.rhinofiltration.com

Ground Penetrating Radar

SubSurface Instruments, Inc.
 De Pere, WI
 855-422-6346 • 920-347-1788 • Fax: 920-347-1791
 paul.renard@ssillocators.com
 www.ssillocators.com
Ad on page 112

Grouting

ARIES
 INDUSTRIES, INC.

Aries Industries
 Waukesha, WI
 800-234-7205 • Fax: 262-896-7099
 sales@ariesindustries.com
 www.ariesindustries.com
Ad on page 11



CUES, Inc.
 Orlando, FL
 800-327-7791 • 407-849-0190 • Fax: 407-425-1569
 salesinfo@cuesinc.com
 www.cuesinc.com
Ad on page 35

OBIC, LLC
 Bryan, OH
 866-636-4854 • 419-633-3147 • Fax: 419-636-7437
 info@obicproducts.com
 www.obicproducts.com

Prime Resins
 Conyers, GA
 800-321-7212 • 770-388-0626 • Fax: 770-388-0936
 info@primeresins.com
 www.primeresins.com
Ad on page 112

Sealing Systems, Inc.
 Loretto, MN
 800-478-2054 • 763-478-2057 • Fax: 763-478-8868
 pam@ssisealingsystems.com
 www.ssisealingsystems.com
Ad on page 83

Simpson Strong-Tie
 Pleasanton, CA
 800-925-5099 • Fax: 925-847-1603
 web@strongtie.com
 www.strongtie.com

Hand Tools

Dallas Specialty & Mfg. Co.
 Grand Prairie, TX
 800-222-5644 • 972-641-8444 • Fax: 972-641-8488
 mike@dalspc.com
 www.dallasspecialty.com

ICS, Blount, Inc.
 Portland, OR
 800-321-1240 • Fax: 503-653-4393
 marketing@icsdiamondtools.com
 www.icsdiamondtools.com

Pollardwater
 New Hyde Park, NY
 www.pollardwater.com

Reed Manufacturing
 Erie, PA
 800-666-3691 • 814-452-3691 • Fax: 814-455-1697
 reedsales@reedmfgco.com
 www.reedmfgco.com
Ad on page 93



Rock Creek MFG, LLC
 Wister, OK
 918-385-1530 • Fax: 918-647-9240
 obohannon@windstream.net
 www.grabbitomo.com

Southland Tool Mfg. Inc.
 Anaheim, CA
 714-632-8198 • Fax: 714-632-8228
 sales@southlandtool.com
 www.southlandtool.com

Ad on page 69



T&T Tools Inc.
 Holland, MI
 800-521-6893 • Fax: 800-521-3260
 sales@mightyprobe.com
 www.mightyprobe.com
Ad on page 97

**LESS WATER.
 MORE
 POWER.**

**A Trio of Chain Scrapers
 Using Low Flow for High
 Powered Cleaning**

- Low Flow
- Less Water Usage
- High Torque
- Works with Clean & Recycled Water
- Masters 90° Bends in 4" Pipe*

Application Range: 1.5" - 12"

CALL 1 877 ENZUSA1
 For a dealer near you

www.enz.com



Plumber Friendly!

- Low Flow
- Clean Small Pipes
- Uses Clean Water

enz® usa inc.

1585 Beverly Ct., Unit 115 | Aurora, IL 60502

HMI (Human-Machine Interface)

GE Digital
San Ramon, CA
800-433-2682
www.ge.com/digital

Horizontal Directional Drilling

Barbco Inc.
East Canton, OH
800-448-8934 • 330-488-9400 • Fax: 330-488-2022
sales@barbco.com
www.barbco.com

Pow-R Mole Trenchless Solutions
Lancaster, NY
800-344-6653 • 716-683-2486
www.powrmole.com

Sonetics
LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com
Ad on page 61

Trenchless Rental Solutions
East Canton, OH
234-214-0722
terryb@trs.rent
www.tr.s.rent

Vermeer MV Solutions
Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeermvs.com

Hose - High Pressure

American Jetter
Knoxville, TN
866-944-3569 • 865-524-4647 • Fax: 865-247-5105
office@americanpridedist.com
www.americanjetter.com
Ad on page 113

Dultmeier Sales
Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

GapVax, Inc.
Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Milwaukee Rubber Products, Inc.
Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com
Ad on page 113

NLB Corporation
Wixom, MI
248-624-5555
nlbmtg@nlbusa.com
www.nlbcorp.com

NozzTeq Inc.
Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com

Suttner America Company
Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com

Vactor Manufacturing
Streator, IL
800-627-3171 • 815-672-3171
sales@vactor.com
www.vactor.com
Ad on page 3

Vacuum Sales, Inc.
Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Water Cannon, Inc. - MWBE
Lake Mary, FL
800-333-9274 • 321-800-5763 • Fax: 888-928-9274
sales@watercannon.com
www.watercannon.com/catalogrequest.aspx

Hose Reels

Dultmeier Sales
Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

General Pump
Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com

Infrastructure Repair Systems, Inc.
St. Petersburg, FL
877-327-4216 • 727-327-4216 • Fax: 727-327-4118
irsi@irsi.net
www.irsi.net



K&W Products, Inc.
Elberta, AL
800-503-0076 • 251-986-7900 • Fax: 251-986-7902
sales@kwproducts.net
www.kwmiequipment.com
Ad on page 112

Milwaukee Rubber Products, Inc.
Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com
Ad on page 113

Root Rat
Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
kelly@chempure.com
www.rootrat.net
Ad on page 113

Water Cannon, Inc. - MWBE
Lake Mary, FL
800-333-9274 • 321-800-5763 • Fax: 888-928-9274
sales@watercannon.com
www.watercannon.com/catalogrequest.aspx

Hot Water Boilers



John Brooks Company Limited (Dynablast)
Mississauga, ON
888-881-6667 • 905-867-4642 • Fax: 905-567-4330
jthomson@dynablast.ca
www.dynablast.ca

Hydrant Maintenance



The Plug Hug LLC
Bellville, OH
719-313-2791 • Fax: 719-213-2000
douglassmarshall@theplughug.com
www.theplughug.com
Ad on page 8

Hydraulic Parts and Components

Aarcomm Systems Inc.
Coquitlam, BC
800-604-9218
sales@aarcomm.com
www.aarcomm.com

Hydraulic Specialty
Fridley, MN
844-282-1060
www.hydraulicspecialty.com

Magnus Vac by Economy Drilling Solutions
Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

Hydroexcavation Equipment

3T Equipment Co. Inc.
Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com
Ad on page 103



Aarcomm Systems Inc.
Coquitlam, BC
800-604-9218
sales@aarcomm.com
www.aarcomm.com

Cusco
Richmond Hill, ON
800-490-3541 • 905-883-1214 • Fax: 905-883-1778
sales@wastequip.com
www.wastequip-cusco.com
Ad on page 23

Enz USA Inc.
Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71



GapVax, Inc.
Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Hurco Technologies, Inc.
Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com
Ad on page 109

John Brooks Company Limited (Dynablast)
Mississauga, ON
888-881-6667 • 905-867-4642 • Fax: 905-567-4330
jthomson@dynablast.ca
www.dynablast.ca

KEG Technologies, Inc.
Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net



Magnus Vac by Economy Drilling Solutions
Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

NozzTeq Inc.
Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com



Rival Hydrovac Inc.

Major, SK
403-550-7997
tdell@rivalhydrovac.com
www.rivalhydrovac.com

**Sewer Equipment Co. of America
by Sewer Equipment**

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com

Ad on page 57

Soil Surgeon, Inc.

Santa Ana, CA
949-363-1401 • Fax: 714-434-9998
info@soilsurgeoninc.com
www.soilsurgeoninc.com

Ad on page 113

SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com

Ad on page 112

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com

Ad on page 67

Suttner America Company

Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com

Tornado Global Hydrovac Ltd.

Calgary, AB
877-340-8141 • 403-742-6121
media@tghl.ca
www.tornadotrucks.com

Ad on page 59



Vacall

New Philadelphia, OH
800-445-4752 • 330-339-2211 • Fax: 330-339-8468
mfnorman@gradall.com
www.vacall.com

Ad on page 39

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com



Vac-Con

Green Cove Springs, FL
904-284-4200
vns@vac-con.com
www.vac-con.com

Ad on pages 47, 116

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vacatron.com
www.vermeermps.com

I & I Prevention

AP/M Permaform

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
info@permaform.net
www.permaform.net

Ad on page 75



CCI Pipeline Systems

Breaux Bridge, LA
800-867-2772 • 337-332-5808 • Fax: 337-332-5809
sales@ccipipe.com
www.ccipipe.com

Ad on page 87

CreteX Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
info@cretexseals.com
www.cretexseals.com

Ad on page 20



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com

Ad on page 35

Wastewater Treatment and Sludge Management Solutions from Komline-Sanderson



Pump. Thicken. Dewater. Dry.

Paddle Dryer

- indirectly heated
- produce Class A product
- high efficiency



Belt Filter Press

- sludge dewatering
- high cake solids
- low polymer cost



Gravity Belt Thickener

- sludge thickening
- high rates
- low polymer cost



Dissolved Air Flotation

- sludge thickening
- wastewater clarification
- high float solids



Rotary Vacuum Filter

- sludge dewatering
- wastewater clarification
- continuous operation



Plunger Pump

- sludge transfer
- positive displacement
- high suction lift



Duke's Root Control, Inc.

Syracuse, NY
800-447-6687 • 315-472-4781 • Fax: 315-475-4203
lynn@dukes.com
www.dukes.com

Ad on page 9

Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com

Ad on page 109

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com

Neopoxy LLC

Hayward, CA
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

OBIC, LLC

Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

Parson Environmental Products, Inc.

Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com



Perma-Liner Industries, LLC

Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com

Ad on page 5

Pipeline Renewal Technologies

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@pipelinert.com
www.pipelinert.com

Ad on page 41

Prime Resins

Conyers, GA
800-321-7212 • 770-388-0626 • Fax: 770-388-0936
info@primeresins.com
www.primeresins.com

Ad on page 112

Rainstopper

Shreveport, LA
800-483-4950 • 318-687-4330
rainstoppers.info@gmail.com
www.rainstopper.us



Reline America

Salville, VA
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com

Ad on page 93

Sauereisen, Inc.

Pittsburgh, PA
412-963-0303
jedavis@sauereisen.com
www.sauereisen.com

Ad on page 89

Sealing Systems, Inc.

Loretto, MN
800-478-2054 • 763-478-2057 • Fax: 763-478-8868
pam@sssealingsystems.com
www.sssealingsystems.com

Ad on page 83

SmartCover Systems

Escondido, CA
760-291-1980
sales@smartcoversystems.com
www.smartcoversystems.com

Ad on page 53

Superior Signal Company LLC

Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiosignal.com
www.SuperiorSignal.com/MSW

Ad on page 113

Warrior Trenchless Solutions

Lancaster, NY
716-601-7760
www.thermoformliner.com

Inspection - Acoustic

General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com

Ad on page 55

InfoSense, Inc.

Charlotte, NC
877-747-3245 • 704-644-1164 • Fax: 704-930-0145
sales@infosense.com
www.infosense.com

Ad on page 91

Inspection - Drainline



Aries Industries

Waukesha, WI
800-234-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com

Ad on page 11



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com

www.cuesinc.com

Ad on page 35

Dynamic Repairs

Lodi, NJ
973-478-0893 • Fax: 973-478-0895
dynamicablerepairs@yahoo.com
www.dynamicrepairs.biz

Ad on page 113

Envirosight LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com

Ad on page 2



General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com

Ad on page 55

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com

Ad on page 112

NozzTeq Inc.

Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com



Perma-Liner Industries, LLC

Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com

Ad on page 5

Pipeline Renewal Technologies

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@pipelinert.com
www.pipelinert.com

Ad on page 41

Pow-R Male Trenchless Solutions

Lancaster, NY
800-344-6653 • 716-683-2486
www.powrmole.com

RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com

Ad on page 49

Ratech Electronics, Ltd.

Vaughan, ON
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

Rhinoc Filtration Inc.

Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Spartan Tool

Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com

Superior Signal Company LLC

Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiosignal.com
www.SuperiorSignal.com/MSW

Ad on page 113

TruGrit Traction Inc.

Winter Park, FL
407-900-1091
info@trugrittraction.com
www.TruGritTraction.com

Inspection - Lateral

VIVAX

METROTECH



Vivax-Metrotech Corp.

Santa Clara, CA
800-446-3392 • 408-734-1400
sales@vxmt.com
www.vivax-metrotech.com

Ad on page 38

Inspection - Mainline

3T Equipment Co. Inc.

Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com

Ad on page 103

ARIES

INDUSTRIES, INC.

Aries Industries
Waukesha, WI
800-234-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 11



CUES, Inc.
Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Duke's Root Control, Inc.
Syracuse, NY
800-447-6687 • 315-472-4781 • Fax: 315-475-4203
lynn@dukes.com
www.dukes.com
Ad on page 9

Dynamic Repairs
Lodi, NJ
973-478-0893 • Fax: 973-478-0895
dynamiccablerepairs@yahoo.com
www.dynamicrepairs.biz
Ad on page 113



Electric Eel Mfg.
Springfield, OH
800-833-1212 • 937-323-4644 • Fax: 937-323-3767
info@electriceel.com
www.electriceel.com
Ad on page 112



Envirosight LLC
Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com
Ad on page 2

KEG Technologies, Inc.
Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

MTech
Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mttechcompany.com
Ad on page 112

Perma-Liner Industries, LLC
Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5

Pow-R Mole Trenchless Solutions
Lancaster, NY
800-344-6653 • 716-683-2486
www.powrmole.com



RapidView IBAK North America
Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com
Ad on page 49

Ratech Electronics, Ltd.
Vaughan, ON
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

Spartan Tool
Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com



Superior Signal Company LLC
Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.SuperiorSignal.com/MSW
Ad on page 113

TruGrit Traction Inc.
Winter Park, FL
407-900-1091
info@trugrittraction.com
www.TruGritTraction.com



AP/M PERMAFORM

The trenchless solutions company

COUNTY AND MUNICIPAL SELF-INSTALL REHABILITATION SYSTEM

for
MANHOLES, CATCH BASINS,
AND DRAINAGE STRUCTURES

“With the AP/M Permaform trailer and spincaster, our own two-man crew is able to complete a basin rehabilitation in just two or three hours, and if conditions are right they can do as many as eight in one day.”

Randall Dellaposta, Director of Equipment and Facilities at the Genesee County Road Commission (GCRC)



AP/M Permaform • 800-662-6465 • www.permaform.net

VIVAX METROTECH



Vivax-Metrotech Corp.

Santa Clara, CA
800-446-3392 • 408-734-1400
sales@vymt.com
www.vivax-metrotech.com

Ad on page 38

Inspection - Manhole/ Confined Space



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com

Ad on page 35

Environmental Coatings LLC

Mesa, AZ
480-984-7608
info@sewershield.com
www.sewershield.com



Envirosight LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com

Ad on page 2

Ferguson Waterworks

Newport News, VA
www.ferguson.com/waterworks

Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com

Ad on page 109

JPCI Services

Mesa, AZ
480-986-1212
info@jpciservices.com
www.jpciservices.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mttechcompany.com

Ad on page 112



RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com

Ad on page 49

Ratech Electronics, Ltd.

Vaughan, ON
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com

Ad on page 69

Inspection - Water Lines



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com

Ad on page 35

RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com

Ad on page 49

Ratech Electronics, Ltd.

Vaughan, ON
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com

Ad on page 112

Instrumentation - Process Control

AMETEK Brookfield

Chandler, AZ
800-528-7411 • 602-470-1414 • Fax: 602-281-1745
sales@azic.com
www.azic.com

Ad on page 24

CHEMetrics, Inc.

Midland, VA
800-356-3072 • 540-788-9026 • Fax: 540-788-4856
marketing@chemetrics.com
www.chemetrics.com

Endress+Hauser

Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com

GE Digital

San Ramon, CA
800-433-2682
www.ge.com/digital

LINAK U.S.

Louisville, KY
502-253-5595 • Fax: 502-253-5596
info@linak-us.com
www.linak-us.com

PRIMEX

Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com

Sierra Instruments, Inc.

Monterey, CA
800-866-0200 • 831-373-0200 • Fax: 831-373-4402
info@sierrainstruments.com
www.sierrainstruments.com

Universal Flow Monitors, Inc.

Hazel Park, MI
888-569-3090 • 248-542-9635 • Fax: 248-398-4274
sales@flowmeters.com
www.flowmeters.com

VEGA Americas, Inc.

Cincinnati, OH
800-367-5383 • 513-272-0131 • Fax: 513-272-0133
americas@vega.com
www.vega.com

Ad on page 65

Jet/Vac Combination Machines

3T Equipment Co. Inc.

Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com

Ad on page 103

Bucher Municipal North America Inc.

Mooreville, SC
704-658-1333 • Fax: 704-658-1377
info.bmna@buchermunicipal.com
www.buchermunicipal.us

Ad on page 20

Cusco

Richmond Hill, ON
800-490-3541 • 905-883-1214 • Fax: 905-883-1778
sales@wastequip.com
www.wastequip-cusco.com

Ad on page 23

Enz USA Inc.

Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/

Ad on page 71



GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com

Ad on page 115

HotJet USA

Riverton, UT
800-624-8186 • 801-545-0777
sales@hotjetusa.com
www.hotjetusa.com

Ad on page 113

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mttechcompany.com

Ad on page 112

Sewer Equipment Co. of America by Sewer Equipment

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com

Ad on page 57

Sonetics

LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com

Ad on page 61

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com

Ad on page 67

USB-USA LLC

Douglasville, GA
844-285-5770 • 678-214-7965 • Fax: 678-649-1766
info@usb-usa.com
www.usb-usa.com

Ad on page 102



Vacall

New Philadelphia, OH
800-445-4752 • 330-339-2211 • Fax: 330-339-8468
mnorman@gradall.com
www.vacall.com

Ad on page 39

Vactor Manufacturing

Streator, IL
800-627-3171 • 815-672-3171
sales@vactor.com
www.vactor.com

Ad on page 3

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com



Vac-Con

Green Cove Springs, FL
904-284-4200
vns@vac-con.com
www.vac-con.com

Ad on pages 47, 116

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vacron.com
www.vermeermvs.com

Jetters - Portable

American Jetter

Knoxville, TN
866-944-3569 • 865-524-4647 • Fax: 865-247-5105
office@americanpridedist.com
www.americanjetter.com

Ad on page 113

Cam Spray
Iowa Falls, IA
800-648-5011 • 641-648-5011 • Fax: 641-648-5013
sales@camspray.com
www.camspray.com
Ad on page 103

Enz USA Inc.

Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71



General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com

Ad on page 55

HotJet USA

Riverton, UT
800-624-8186 • 801-545-0777
sales@hotjetusa.com
www.hotjetusa.com

Ad on page 113



K&W Products, Inc.

Elberta, AL
800-503-0076 • 251-986-7900 • Fax: 251-986-7902
sales@kwproducts.net
www.kwmiequipment.com

Ad on page 112

Root Rat

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
kelly@chempure.com
www.rootrat.net

Ad on page 113



Spartan Tool

Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vacron.com
www.vermeermvs.com

Water Cannon, Inc. - MWBE

Lake Mary, FL
800-333-9274 • 321-800-5763 • Fax: 888-928-9274
sales@watercannon.com
www.watercannon.com/catalogrequest.aspx

➔ **SMARTSHORE®**

INFLATABLE TRENCH SHIELD

➔ **TOUGH – FLEXIBLE – SAFE**

➔ **EASY AND QUICK TO INSTALL**

➔ **EASY TO TRANSPORT**



3000 Opportunity Court-Suite A
SOUTH DAYTONA FL 32119 | Tel. : +1 386 310 1558
info@pronal-usa.com | www.pronal-usa.com



Jetters - Truck & Trailer

3T Equipment Co. Inc.

Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com

Ad on page 103



Aarcomm Systems Inc.

Coquitlam, BC
800-604-9218
sales@aarcomm.com
www.aarcomm.com

American Jetter

Knoxville, TN
866-944-3569 • 865-524-4647 • Fax: 865-247-5105
office@americanpridedist.com
www.americanjetter.com

Ad on page 113



Cam Spray

Iowa Falls, IA
800-648-5011 • 641-648-5011 • Fax: 641-648-5013
sales@camspray.com
www.camspray.com

Ad on page 103

Enz USA Inc.

Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/

Ad on page 71



GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com

Ad on page 115

General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com

Ad on page 55

HotJet USA

Riverton, UT
800-624-8186 • 801-545-0777
sales@hotjetusa.com
www.hotjetusa.com

Ad on page 113

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com

Ad on page 112

NLB Corporation

Wixom, MI
248-624-5555
nlbmtg@nlbusa.com
www.nlbcorp.com

Sewer Equipment Co. of America by Sewer Equipment

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com

Ad on page 57



Spartan Tool

Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com

Ad on page 67

USB-USA LLC

Douglasville, GA
844-285-5770 • 678-214-7965 • Fax: 678-649-1766
info@usb-usa.com
www.usb-usa.com

Ad on page 102

Vactor Manufacturing

Streator, IL
800-627-3171 • 815-672-3171
sales@vactor.com
www.vactor.com

Ad on page 3

Vacuum Sales, Inc.

Lindenwood, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeermvms.com

Water Cannon, Inc. - MWBE

Lake Mary, FL
800-333-9274 • 321-800-5763 • Fax: 888-928-9274
sales@watercannon.com
www.watercannon.com/catalogrequest.aspx

Jump Starters

VANAIR

Michigan City, IN
800-526-8817 • 219-879-5100 • Fax: 219-879-5800
marketing@vanair.com
www.vanair.com

Ad on page 24

Lagoon Products

American Pleasure Products, Inc.

Rose City, MI
989-685-2697 • Fax: 989-685-8484
info@aquacycleusa.com
www.aquacycleusa.com

Ad on page 83

Laser Profiling



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com

Ad on page 35

Envirosight LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com

Ad on page 2

RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com

Ad on page 49

Lift Stations/Wet Wells

Environmental Chemical Corp.

Uniontown, OH
800-262-0458 • 330-453-5200 • Fax: 330-453-9646
sales@environmentalchemical.com
www.environmentalchemical.com

Ad on page 113

Environmental Coatings LLC

Mesa, AZ
480-984-7608
info@sewershield.com
www.sewershield.com

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

LF Manufacturing, Inc.

Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfm-frp.com
www.lfm-frp.com



Liberty Pumps

Bergen, NY
800-543-2550 • 585-494-1817 • Fax: 585-494-1839
liberty@libertypumps.com
www.libertypumps.com

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com

PRIMEX

Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com



Rock Creek MFG, LLC

Wister, OK
918-385-1530 • Fax: 918-647-9240
obohannon@windstream.net
www.grabbitomo.com

Sauereisen, Inc.

Pittsburgh, PA
412-963-0303
jedavis@sauereisen.com
www.sauereisen.com

Ad on page 89



Smith & Loveless Inc.

Smith & Loveless, Inc.
Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Sprayco, Inc.

Irondale, AL
800-634-0504 • 205-957-0020 • Fax: 205-957-0021
info@sprayco.com
www.sprayco.com

USB-USA LLC

Douglasville, GA
844-285-5770 • 678-214-7965 • Fax: 678-649-1766
info@usb-usa.com
www.usb-usa.com

Ad on page 102

VEGA Americas, Inc.

Cincinnati, OH
800-367-5383 • 513-272-0131 • Fax: 513-272-0133
americas@vega.com
www.vega.com

Ad on page 65

Light Towers

Generac Mobile Products, LLC

Berlin, WI
800-926-9768 • 920-361-4442
mobilemarketing@generac.com
www.generacmobileproducts.com
Ad on page 21

Liquid Level Indicator

Endress+Hauser

Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com

Milwaukee Rubber Products, Inc.

Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com

Ad on page 113

PRIMEX

Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com

Sierra Instruments, Inc.

Monterey, CA
800-866-0200 • 831-373-0200 • Fax: 831-373-4402
info@sierrainstruments.com
www.sierrainstruments.com

VEGA Americas, Inc.

Cincinnati, OH
800-367-5383 • 513-272-0131 • Fax: 513-272-0133
americas@vega.com
www.vega.com

Ad on page 65

Locators - Electronic

Dynamic Repairs

Lodi, NJ
973-478-0893 • Fax: 973-478-0895
dynamicablerepairs@yahoo.com
www.dynamicrepairs.biz

Ad on page 113

General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com

Ad on page 55



Hermann Sewerin GmbH

33334 Gutersloh
Germany
888-592-9916 • Fax: 495241934444
sewerin-usa@sewerin.net
www.sewerin.com

Ad on page 32

Pow-R Mole Trenchless Solutions

Lancaster, NY
800-344-6653 • 716-683-2486
www.powrmole.com

RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com

Ad on page 49

Ratech Electronics, Ltd.

Vaughan, ON
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

SCHONSTEDT

Schonstedt Instrument Company

Kearneysville, WV
800-999-8280 • 888-367-7014 • 304-725-1050
schonstedt.info@spx.com
www.schonstedt.com

Ad on page 37

Spartan Tool

Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com



SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com

Ad on page 112

SMP VALVE-OUT TOOL

FLANGE SPREADING & VALVE/METER REPLACEMENT



Spread outside flanges & remove old valve



Prepare gasket surfaces



Reinstall new valve

VALVE-OUT TOOL WORKS ON FLANGES WITH BOLT HOLES FROM 3/4" TO 1-3/8" (STUD SIZES 5/8" TO 1-1/4")

CAN BE USED ON ANY VALVE WIDTH

REQUIRES NO GAP AND CAN BE USED TO SPREAD FLANGES AND REPLACE GASKETS

SAFER, FASTER, EASIER

SPECIALTY MAINTENANCE PRODUCTS, INC.

5711 CLAREWOOD DRIVE, SUITE B.

HOUSTON, TX 77081

EMAIL: SALES@SMPTOOLS.COM

PHONE: 713-667-4402

WEBSITE: HTTPS://SMPTOOLS.COM

WATCH THE VIDEO HERE



SubSurface Locators, Inc.

Incline Village, NV
775-298-2701 • Fax: 775-298-2703
sldi@mindspring.com
www.subsurfaceleak.com

Ad on page 89

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeermps.com

Locators - Pipe/ Leak/Valve/Sewer

Dynamic Repairs

Lodi, NJ
973-478-0893 • Fax: 973-478-0895
dynamiccablepairs@yahoo.com
www.dynamicpairs.biz

Ad on page 113

General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com

Ad on page 55



Hermann Sewerin GmbH

33334 Gutersloh
Germany
888-592-9916 • Fax: 495241934444
sewerin-usa@sewerin.net
www.sewerin.com

Ad on page 32

Lansas Mfg. by Vanderlans & Sons Inc.

Lodi, CA
800-452-4902 • 209-334-4115 • Fax: 209-339-8260
info@lansas.com
www.lansas.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com

Ad on page 112

Pollardwater

New Hyde Park, NY
www.pollardwater.com

Pow-R Mole Trenchless Solutions

Lancaster, NY
800-344-6653 • 716-683-2486
www.powrmole.com

Ratech Electronics, Ltd.

Vaughan, ON
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

SCHONSTEDT

Schonstedt Instrument Company

Kearneysville, WV
800-999-8280 • 888-367-7014 • 304-725-1050
schonstedt.info@spx.com
www.schonstedt.com

Ad on page 37



SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com

Ad on page 112

SubSurface Locators, Inc.

Incline Village, NV
775-298-2701 • Fax: 775-298-2703
sldi@mindspring.com
www.subsurfaceleak.com

Ad on page 89

Superior Signal Company LLC

Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.SuperiorSignal.com/MSW

Ad on page 113

Vactor Manufacturing

Streator, IL
800-627-3171 • 815-672-3171
sales@vactor.com
www.vactor.com

Ad on page 3

VIVAX

METROTECH



Vivax-Metrotech Corp.

Santa Clara, CA
800-446-3392 • 408-734-1400
sales@vxmt.com
www.vivax-metrotech.com

Ad on page 38

Locators - Smoke/Dye



BRIGHT DYES

Division of Kingscote Chemicals

Miamisburg, OH
800-394-0678 • 937-886-9100 • Fax: 937-886-9300
sales@kingscotechemicals.com
www.brightdyes.com

Ad on page 113



Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com

Ad on page 109



Superior Signal Company LLC

Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.SuperiorSignal.com/MSW

Ad on page 113



TURBO FOG

Division of Kingscote Chemicals

Miamisburg, OH
800-394-0678 • 937-886-9100 • Fax: 937-886-9300
sales@kingscotechemicals.com
www.turbo-fog.com

Ad on page 112

Manhole Debris Remover



Rock Creek MFG, LLC

Wister, OK
918-385-1530 • Fax: 918-647-9240
obohannon@windstream.net
www.grabbitomo.com

Manhole Grade Rings

Cretex Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
info@cretexseals.com
www.cretexseals.com

Ad on page 20

Manhole Inserts

Cretex Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
info@cretexseals.com
www.cretexseals.com

Ad on page 20

Dallas Specialty & Mfg. Co.

Grand Prairie, TX
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspc.com
www.dallaspecialty.com

Environmental Chemical Corp.

Uniontown, OH
800-262-0458 • 330-453-5200 • Fax: 330-453-9646
sales@environmentalchemical.com
www.environmentalchemical.com

Ad on page 113

JPCI Services

Mesa, AZ
480-986-1212
info@jpciservices.com
www.jpciservices.com

LF Manufacturing, Inc.

Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfm-frp.com
www.lfm-frp.com

Milwaukee Rubber Products, Inc.

Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com

Ad on page 113

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmmanhole.com
www.mrmmanhole.com

Odor Control Products and Equipment, LLC

Daytona Beach, FL
800-578-9404 • 844-456-2890 • Fax: 844-456-2891
info@ocpe.store
www.ocpe.store

Parson Environmental Products, Inc.

Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com



Rainstopper

Shreveport, LA
800-483-4950 • 318-687-4330
rainstoppers.info@gmail.com
www.rainstopper.us

Sealing Systems, Inc.

Loretto, MN
800-478-2054 • 763-478-2057 • Fax: 763-478-8868
pam@ssisealingsystems.com
www.ssisealingsystems.com

Ad on page 83

Sewer Shield Composites LLC

Mesa, AZ
480-830-9537
info@sewershieldcomposites.com
www.sewershieldcomposites.com

Simple Solutions Distributing

West Milford, NJ
800-667-8465 • 973-846-7817 • Fax: 973-858-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com

Ad on page 112

**Manhole Parts/
Components**

American Highway Products Ltd.

Bolivar, OH
888-272-2397 • 330-874-3270 • Fax: 330-874-3800
sales@ahp1.com
www.ahp1.com

Ad on page 81

Composite Access Products

McAllen, TX
844-344-2271 • 956-331-8232
wcnunnery@compositeap.com
www.justcapthat.com

Ad on page 38

Cretex Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
info@cretexseals.com
www.cretexseals.com

Ad on page 20

Dallas Specialty & Mfg. Co.

Grand Prairie, TX
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspc.com
www.dallasspecialty.com

Environmental Chemical Corp.

Uniontown, OH
800-262-0458 • 330-453-5200 • Fax: 330-453-9646
sales@environmentalchemical.com
www.environmentalchemical.com

Ad on page 113

H2TR

East Lansing, MI
517-204-2121
cm.howie@h2tr.com
www.H2TR.com

Ad on page 112

Halliday Products, Inc.

Orlando, FL
800-298-1027 • 407-298-4470
armond@hallidayproducts.com
www.hallidayproducts.com

Ad on page 111

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com

Parson Environmental Products, Inc.

Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com

**Manhole
Rehabilitation**

American Highway Products Ltd.

Bolivar, OH
888-272-2397 • 330-874-3270 • Fax: 330-874-3800
sales@ahp1.com
www.ahp1.com

Ad on page 81

AP/M Permaform

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
info@permaform.net
www.permaform.net

Ad on page 75



CCI Pipeline Systems

Breaux Bridge, LA
800-867-2772 • 337-332-5808 • Fax: 337-332-5809
sales@ccipipe.com
www.ccipipe.com

Ad on page 87

Composite Access Products


McAllen, TX
844-344-2271 • 956-331-8232
wcnunnery@compositeap.com
www.justcapthat.com

Ad on page 38

Cretex Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
info@cretexseals.com
www.cretexseals.com


Ad on page 20



AMERICAN HIGHWAY PRODUCTS LTD.

RAISING AMERICA, ONE INCH AT A TIME

the PIVOTED TURNBUCKLE Manhole Riser



Made in the USA

NEW! INCLINED RISER. Now you can RAISE & TILT the manhole cover.

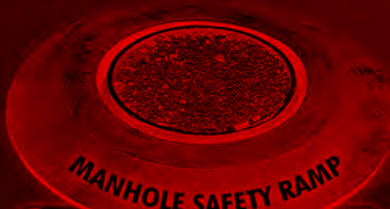
The Most Efficient and Powerful Expanding Riser on the Market.

Riser heights 3/4" and up in all diameters. 1" diametric variance and DOT approved in most states.

SAFETY RAMPS

ELIMINATE

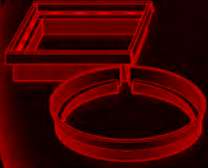
- Vehicle Damage Claims •
- Material Cost for Cold Patch •
- Labor and Disposal Costs •



MANHOLE SAFETY RAMP

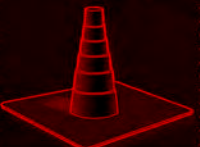
Catch Basin & Valve Box Risers

reduce costs and streamline adjustments




I.D. Locator allows

for easy location of common utilities and aids in identifying striping




Sewer Lid Seal Kit

eliminates lid vibration and reduces moisture penetration




Rubber Adjusting Ring


protects sub-structure, eliminates noise and vibration



EZ Lift

will unseat, lift, and set down a manhole cover in one smooth motion





ROAD SURFACE

MILLED SURFACE

SAFETY RAMP

Toll Free 1-888-272-2397 - www.ahp1.com - e-mail: sales@ahp1.com - Free DVD/CD ROM



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Duke's Root Control, Inc.

Syracuse, NY
800-447-6687 • 315-472-4781 • Fax: 315-475-4203
lynn@dukes.com
www.dukes.com
Ad on page 9

Environmental Coatings LLC

Mesa, AZ
480-984-7608
info@sewershield.com
www.sewershield.com



Granite Inliner

Orleans, IN
812-865-3232 • Fax: 812-865-3075
mike.green@gcinc.com
www.granite-inliner.com
Ad on page 15

H2TR

East Lansing, MI
517-204-2121
cam.howie@h2tr.com
www.H2TR.com

Ad on page 112

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • 727-327-4216 • Fax: 727-327-4118
irsi@irsi.net
www.irsi.net

JPCI Services

Mesa, AZ
480-986-1212
info@jpciservices.com
www.jpciservices.com

LF Manufacturing, Inc.

Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfrp.com
www.lfrp.com

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com

Neopoxy LLC

Hayward, CA
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

OBIC, LLC

Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com



Parson Environmental Products, Inc.

Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com



Perma-Liner Industries, LLC

Cleanwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5

Prime Resins

Conyers, GA
800-321-7212 • 770-388-0626 • Fax: 770-388-0936
info@primeresins.com
www.primeresins.com
Ad on page 112



Rainstopper

Shreveport, LA
800-483-4950 • 318-687-4330
rainstoppers.info@gmail.com
www.rainstopper.us

Rock Creek MFG, LLC

Wister, OK
918-385-1530 • Fax: 918-647-9240
obohannon@windstream.net
www.grabbitomo.com

SAERTEX multiCom

Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multicom.com
Ad on page 101

Sauereisen, Inc.

Pittsburgh, PA
412-963-0303
jedavis@sauereisen.com
www.sauereisen.com
Ad on page 89

Sealing Systems, Inc.

Loretto, MN
800-478-2054 • 763-478-2057 • Fax: 763-478-8868
pam@ssisealingsystems.com
www.ssisealingsystems.com
Ad on page 83

Simpson Strong-Tie

Pleasanton, CA
800-925-5099 • Fax: 925-847-1603
web@strongtie.com
www.strongtie.com

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 69

Sprayraq, Inc.

Irondale, AL
800-634-0504 • 205-957-0020 • Fax: 205-957-0021
info@sprayraq.com
www.sprayraq.com



The Strong Company, Inc.

Pine Bluff, AR
800-982-8009 • 870-535-7617 • Fax: 870-850-6933
info@strongseal.com
www.strongseal.com
Ad on page 31

USB-USA LLC

Douglasville, GA
844-285-5770 • 678-214-7965 • Fax: 678-649-1766
info@usb-usa.com
www.usb-usa.com
Ad on page 102

Manhole Vacuum Testing



Lansas Mfg. by Vanderlans & Sons Inc.

Lodi, CA
800-452-4902 • 209-334-4115 • Fax: 209-339-8260
info@lansas.com
www.lansas.com

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com

Manholes Fiberglass

LF Manufacturing, Inc.

Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfrp.com
www.lfrp.com

Meter Boxes/Components

A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

Dallas Specialty & Mfg. Co.

Grand Prairie, TX
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspc.com
www.dallasspecialty.com

Ferguson Waterworks

Newport News, VA
www.ferguson.com/waterworks

Meter Setters

A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

Meters

AMETEK Brookfield

Chandler, AZ
800-528-7411 • 602-470-1414 • Fax: 602-281-1745
sales@azic.com
www.azic.com
Ad on page 24

Meters - Sewer/Flow

ADS Environmental Services

Huntsville, AL
800-633-7246 • 256-430-3366 • Fax: 256-430-6633
adssales@idexcorp.com
www.adsenv.com
Ad on page 43

Endress+Hauser

Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com

Hayward Flow Control

Clemmons, NC
888-429-4635
www.haywardflowcontrol.com

Pollardwater

New Hyde Park, NY
www.pollardwater.com

Sierra Instruments, Inc.

Monterey, CA
800-866-0200 • 831-373-0200 • Fax: 831-373-4402
info@sierrainstruments.com
www.sierrainstruments.com

Meters - Water/Flow

CHEMetrics, Inc.

Midland, VA
800-356-3072 • 540-788-9026 • Fax: 540-788-4856
marketing@chemetrics.com
www.chemetrics.com

Endress+Hauser

Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com

Ferguson Waterworks
Newport News, VA
www.ferguson.com/waterworks

Hayward Flow Control
Clemmons, NC
888-429-4635
www.haywardflowcontrol.com

Sierra Instruments, Inc.
Monterey, CA
800-866-0200 • 831-373-0200 • Fax: 831-373-4402
info@sierrainstruments.com
www.sierrainstruments.com

SmartPhone Meter Reading (SPMR)
Plano, TX
888-326-5032
info@smartphonemeterreading.com
www.smartphonemeterreading.com

Universal Flow Monitors, Inc.
Hazel Park, MI
888-569-3090 • 248-542-9635 • Fax: 248-398-4274
sales@flowmeters.com
www.flowmeters.com

Mobile Communications

Aarcomm Systems Inc.
Coquitlam, BC
800-604-9218
sales@aarcomm.com
www.aarcomm.com

GE Digital
San Ramon, CA
800-433-2682
www.ge.com/digital

Kohler Power Systems
Kohler, WI
800-544-2444 • 920-457-4441
www.kohlerpower.com

Sonetics
LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com
Ad on page 61

Monitoring Equipment

Aarcomm Systems Inc.
Coquitlam, BC
800-604-9218
sales@aarcomm.com
www.aarcomm.com

ADS Environmental Services
Huntsville, AL
800-633-7246 • 256-430-3366 • Fax: 256-430-6633
adsales@idexcorp.com
www.adsenv.com
Ad on page 43

CHEMetrics, Inc.
Midland, VA
800-356-3072 • 540-788-9026 • Fax: 540-788-4856
marketing@chemetrics.com
www.chemetrics.com

Endress+Hauser
Greenwood, IN
888-363-7377 • 317-535-7138 • Fax: 317-535-8498
info@us.endress.com
www.us.endress.com

GE Digital
San Ramon, CA
800-433-2682
www.ge.com/digital

Kohler Power Systems
Kohler, WI
800-544-2444 • 920-457-4441
www.kohlerpower.com

PRIMEX
Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com

Nozzles - High Pressure

3T Equipment Co. Inc.
Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com
Ad on page 103

American Jetter
Knoxville, TN
866-944-3569 • 865-524-4647 • Fax: 865-247-5105
office@americanpridedist.com
www.americanjetter.com
Ad on page 113



Arthur Products Co.
Medina, OH
800-322-0510 • 330-725-4905 • Fax: 330-722-2698
apc@apcslq.com
www.arthurproducts.com

Envirosight LLC
Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com
Ad on page 2

SEALING SYSTEMS, INC.
LORETTO, MN
1.800.478.2054

**MANUFACTURER & DISTRIBUTOR OF
QUALITY INFLOW & INFILTRATION
PREVENTION PRODUCTS**

- Manhole chimney seals
- Joint seals
- Manhole inserts
- Rubber risers
- Cementitious repair material
- Aqua Seal®
A fast reacting chemical grout able to stop 50 G.P.M. leaks.

www.ssisealingsystems.com

BARGE OFFERS SAFE WORK
AREA AND BOOSTS CONFIDENCE

For Work On Treatment Ponds and Lagoons.

- 8' x 12' platform
- Vinyl decking for easy clean up
- Approximate weight 550lbs
- Heavy duty protective hand rail with 1/4 rail spacers
- Approximate capacity 1400lbs
- Protective lower rail (keeps tools on board)
- 23" diameter aluminum pontoons - #5052 x .080 wall thickness
- Safety chains
- Heavy duty outboard motor mount for small gasoline or electric motors
- Welded lifting eyes at each corner

OPTIONS:

- > Battery box with solar charger
- > Boarding ladder
- > 1000-lb. capacity crane
- > Galvanized trailer
- > Life ring
- > Pivot arms (Used to secure barge to aerator tubes when service is being performed on diffuser drop tubes.)

AMERICAN PLEASURE
PRODUCTS INC.

ROSE CITY, MI
AQUACYCLEUSA@GMAIL.COM

989.685.2697



Enz USA Inc.
Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71

GapVax, Inc.
Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com
Ad on page 115

General Pump
Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com

Giant Industries
Toledo, OH
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

HotJet USA
Riverton, UT
800-624-8186 • 801-545-0777
sales@hotjetusa.com
www.hotjetusa.com
Ad on page 113



John Brooks Company Limited (Dynablast)
Mississauga, ON
888-881-6667 • 905-867-4642 • Fax: 905-567-4330
jthomson@dynablast.ca
www.dynablast.ca

KEG Technologies, Inc.
Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

MTech
Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 112

NozzTeq Inc.
Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com



Odor Control Products and Equipment, LLC
Daytona Beach, FL
800-578-9404 • 844-456-2890 • Fax: 844-456-2891
info@ocpe.store
www.ocpe.store

Root Rat
Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
kelly@chempure.com
www.rootrat.net
Ad on page 113



Sewer Pro Shop, LLC
Marietta, GA
877-864-9394 • 470-592-1715 • Fax: 770-984-2802
info@sewerproshop.com
www.sewerproshop.com
Ad on page 95

Southland Tool Mfg. Inc.
Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 69

Spartan Tool
Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com

Suttner America Company
Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com



**USB-USA
USB-USA LLC**
Douglasville, GA
844-285-5770 • 678-214-7965 • Fax: 678-649-1766
info@usb-usa.com
www.usb-usa.com
Ad on page 102

Vacuum Sales, Inc.
Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Vac-Con
Green Cove Springs, FL
904-284-4200
vns@vac-con.com
www.vac-con.com
Ad on pages 47, 116

Vaughan Company, Inc.
Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com
Ad on page 45

Odor Control Products/ Equipment

AMETEK Brookfield
Chandler, AZ
800-528-7411 • 602-470-1414 • Fax: 602-281-1745
sales@azic.com
www.azic.com
Ad on page 24

Anue Water Technologies
Tucker, GA
760-727-2683
tchandler@anuewater.com
www.anuewater.com



Odor Control Products and Equipment, LLC
Daytona Beach, FL
800-578-9404 • 844-456-2890 • Fax: 844-456-2891
info@ocpe.store
www.ocpe.store

Parson Environmental Products, Inc.
Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com

Safe-Tee Chemical Company
Scottsdale, AZ
866-366-0587 • 480-968-6828 • Fax: 480-968-6776
service@safetechemical.com
www.safetechemical.com
Ad on page 112

Simple Solutions Distributing
West Milford, NJ
800-667-8465 • 973-846-7817 • Fax: 973-858-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com
Ad on page 112

Superior Signal Company LLC
Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.SuperiorSignal.com/MSW
Ad on page 113

Oil Spill Recovery/ Clean-up

Anue Water Technologies
Tucker, GA
760-727-2683
tchandler@anuewater.com
www.anuewater.com

Boerger, LLC
Chanhassen, MN
612-435-7300 • Fax: 612-435-7301
america@boerger.com
www.boerger.com

Safe-Tee Chemical Company
Scottsdale, AZ
866-366-0587 • 480-968-6828 • Fax: 480-968-6776
service@safetechemical.com
www.safetechemical.com
Ad on page 112

Pipe - Concrete

Ferguson Waterworks
Newport News, VA
www.ferguson.com/waterworks

ICS, Blount, Inc.
Portland, OR
800-321-1240 • Fax: 503-653-4393
marketing@icsdiamondtools.com
www.icsdiamondtools.com

Pipe - Fiberglass

Krausz USA Inc.
Ocala, FL
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauszusa.com
www.krauszusa.com

LF Manufacturing, Inc.
Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfm-frp.com
www.lfm-frp.com

Reline America
Saltville, VA
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com
Ad on page 93

SAERTEX multiCom
Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multicom.com
Ad on page 101

SubSurface Instruments, Inc.
De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com
Ad on page 112

Pipe - Polyethylene

ADS
Advanced Drainage Systems, Inc.
Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Dallas Specialty & Mfg. Co.
Grand Prairie, TX
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspc.com
www.dallasspecialty.com

Krausz USA Inc.
Ocala, FL
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauszusa.com
www.krauszusa.com

Pipe - Polypropylene

Advanced Drainage Systems, Inc.
Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Pipe - PVC

Ferguson Waterworks
Newport News, VA
www.ferguson.com/waterworks

Krausz USA Inc.
Ocala, FL
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauszusa.com
www.krauszusa.com

SubSurface Instruments, Inc.
De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com
Ad on page 112

Pipe - Steel

Krausz USA Inc.
Ocala, FL
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauszusa.com
www.krauszusa.com

Pipe - Supports



CCI Pipeline Systems
Breaux Bridge, LA
800-867-2772 • 337-332-5808 • Fax: 337-332-5809
sales@ccipipe.com
www.ccipipe.com
Ad on page 87

Pipe Bursting

HammerHead Trenchless
Lake Mills, WI
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com
Ad on page 25

Pow-R Mole Trenchless Solutions
Lancaster, NY
800-344-6653 • 716-683-2486
www.powmole.com

Spartan Tool
Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com



TRIC Tools, Inc.
Alameda, CA
888-883-8742 • 510-629-4167 • Fax: 510-217-9493
john.rafferty@trictools.com
www.trictools.com

Pipe Cutters

ICS, Blount, Inc.
Portland, OR
800-321-1240 • Fax: 503-653-4393
marketing@icsdiamondtools.com
www.icsdiamondtools.com

Reed Manufacturing
Erie, PA
800-666-3691 • 814-452-3691 • Fax: 814-455-1697
reedsales@reedmfgco.com
www.reedmfgco.com
Ad on page 93

Pipe Fusion

Pow-R Mole Trenchless Solutions
Lancaster, NY
800-344-6653 • 716-683-2486
www.powmole.com

Pipe Parts - Fittings & Components

A.Y. McDonald Mfg. Co.
Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

Advanced Drainage Systems, Inc.
Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Featured In An Article? We provide reprint options



Sizes: 24" x 30" & 36" x 45"

POSTERS
Starting At
\$35

LASER REPRINTS
Starting At
\$10

ELECTRONIC REPRINTS
Starting At
\$25

Planning with Vision

By Peter Slatyer | Cover Story | May 2013

Order Reprints

Order through our website

www.mswmag.com

**Strong Enough to Take a Hit.
Smart Enough to Dodge One.**



You need strength to take a punch — but you need smarts to dodge the hit altogether. Our innovative Mobile Pump Station solutions offer legendary Pritchard Brown protection from the elements — with the added capability to disconnect and relocate when extreme weather events approach. Protect critical equipment from catastrophic damage and get it back to service faster with smart shelter systems from the leader in protective aluminum enclosures.

Discover stronger, smarter protection at PRITCHARDBROWN.com or call 800.231.2258

STATE-OF-THE-ART SHELTERS AND SYSTEM INTEGRATION



PRITCHARD BROWN

CCI Pipeline Systems

Breaux Bridge, LA
800-867-2772 • 337-332-5808 • Fax: 337-332-5809
sales@ccipipe.com
www.ccipipe.com
Ad on page 87



Emerson
Florham Park, NJ
800-972-2726
asco.info-valve@emerson.com
www.emerson.com/leadfree
Ad on page 14

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • 402-463-6633 • Fax: 402-463-4355
www.hastingsirrigation.com



Total Piping Solutions, Inc.
Olean, NY
716-372-0160 • Fax: 716-372-1767
sales@tps.us
www.tps.us
Ad on page 111

Pipe Plugs

3T Equipment Co. Inc.

Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com
Ad on page 103

Dallas Specialty & Mfg. Co.

Grand Prairie, TX
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspec.com
www.dallasspecialty.com



Lansas Mfg. by Vanderlans & Sons Inc.
Lodi, CA
800-452-4902 • 209-334-4115 • Fax: 209-339-8260
info@lansas.com
www.lansas.com

NozzTeq Inc.

Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com

Petersen Products Co.

Fredonia, WI
800-926-1526 • 262-692-2416 • Fax: 262-692-2418
sales@petersenproducts.com
www.petersenproducts.com
Ad on page 99

Pronal-USA, Inc.

South Daytona, FL
386-310-1558 • Fax: 386-310-1559
tsimunac@pronal-usa.com
www.pronal-usa.com
Ad on page 77

Warrior Trenchless Solutions

Lancaster, NY
716-601-7760
www.thermoformliner.com

Pipe Thawing

General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com
Ad on page 55

Pipeline Rehabilitation/Lining

AP/M Permaform

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
info@permaform.net
www.permaform.net
Ad on page 75



Applied Felts, Inc.

Martinsville, VA
276-656-1904
info@appliedfelts.com
appliedfelts.com
Ad on page 13

Barbco Inc.

East Canton, OH
800-448-8934 • 330-488-9400 • Fax: 330-488-2022
sales@barbco.com
www.barbco.com

Cortec Corporation

St. Paul, MN
651-429-1100
productinfo@cortecvci.com
www.cortecvci.com

Cretex Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
info@cretexseals.com
www.cretexseals.com
Ad on page 20



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Duke's Root Control, Inc.

Syracuse, NY
800-447-6687 • 315-472-4781 • Fax: 315-475-4203
lynn@dukes.com
www.dukes.com
Ad on page 9

THE SHOOTER®

Emagineered Solutions, Inc.

Redmond, OR
541-504-0416
ray.i@emagineered.com
www.theshooterripp.com

Envirosight LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com
Ad on page 2



Granite Inliner

Orleans, IN
812-865-3232 • Fax: 812-865-3075
mike.green@gcinc.com
www.granite-inliner.com
Ad on page 15

HammerHead Trenchless

Lake Mills, WI
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com
Ad on page 25

HydraTech Engineered Products

Cincinnati, OH
513-827-9169 • Fax: 513-827-9171
info@hydrattechllc.com
www.hydrattechllc.com



Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • 727-327-4216 • Fax: 727-327-4118
irsi@irsi.net
www.irsi.net

Krausz USA Inc.

Ocala, FL
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauszusa.com
www.krauszusa.com

LF Manufacturing, Inc.

Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewater-sales@lfm-frp.com
www.lfm-frp.com

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com

Neopoxy LLC

Hayward, CA
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

Parson Environmental Products, Inc.

Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com



Perma-Liner Industries, LLC

Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5

Petersen Products Co.

Fredonia, WI
800-926-1526 • 262-692-2416 • Fax: 262-692-2418
sales@petersenproducts.com
www.petersenproducts.com
Ad on page 99

Pow-R Mole Trenchless Solutions

Lancaster, NY
800-344-6653 • 716-683-2486
www.powrmole.com

Prime Resins

Conyers, GA
800-321-7212 • 770-388-0626 • Fax: 770-388-0936
info@primeresins.com
www.primeresins.com
Ad on page 112



SAERTEX multiCom

Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multiCom.com
Ad on page 101

Sauereisen, Inc.

Pittsburgh, PA
412-963-0303
jedavis@sauereisen.com
www.sauereisen.com
Ad on page 89

Simpson Strong-Tie

Pleasanton, CA
800-925-5099 • Fax: 925-847-1603
web@strongtie.com
www.strongtie.com

Sprayroq, Inc.

Irondale, AL
800-634-0504 • 205-957-0020 • Fax: 205-957-0021
info@sprayroq.com
www.sprayroq.com

Superior Signal Company LLC

Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiosignal.com
www.SuperiorSignal.com/MSW
Ad on page 113

Triton Lining Systems LLC

Saint James, NY
407-928-9339
gary@tritonpipe.com
www.tritonpipelining.com



Thermoform

Warrior Trenchless Solutions
Lancaster, NY
716-601-7760
www.thermoformliner.com

Pipeline Stopping

Lansas Mfg. by Vanderlans & Sons Inc.

Lodi, CA
800-452-4902 • 209-334-4115 • Fax: 209-339-8260
info@lansas.com
www.lansas.com

Petersen Products Co.

Fredonia, WI
800-926-1526 • 262-692-2416 • Fax: 262-692-2418
sales@petersenproducts.com
www.petersenproducts.com
Ad on page 99



Total Piping Solutions, Inc.

Olean, NY
716-372-0160 • Fax: 716-372-1767
sales@tps.us
www.tps.us
Ad on page 111

Pipeline Surveying & Mapping (GPS/GIS)



CUES, Inc.

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com
Ad on page 109

InfoSense, Inc.

Charlotte, NC
877-747-3245 • 704-644-1164 • Fax: 704-930-0145
sales@infosense.com
www.infosense.com
Ad on page 91



SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssillocators.com
www.ssillocators.com
Ad on page 112

Pipeline Tapping

Krausz USA Inc.

Ocala, FL
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauszusa.com
www.krauszusa.com

Petersen Products Co.

Fredonia, WI
800-926-1526 • 262-692-2416 • Fax: 262-692-2418
sales@petersenproducts.com
www.petersenproducts.com
Ad on page 99



Total Piping Solutions, Inc.

Olean, NY
716-372-0160 • Fax: 716-372-1767
sales@tps.us
www.tps.us
Ad on page 111

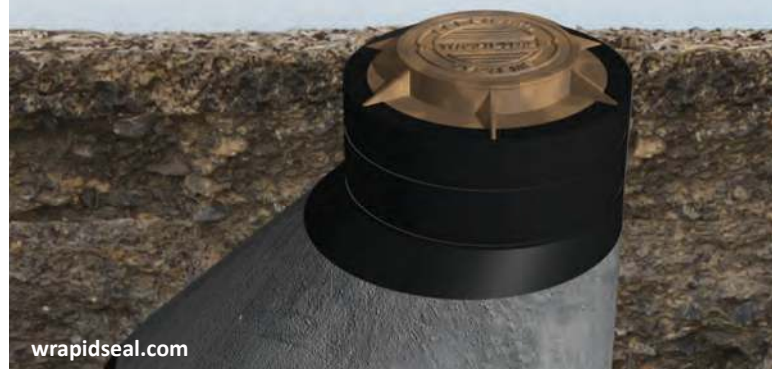


WRAPIDSEAL™
MANHOLE ENCAPSULATION SYSTEM

Your **Positive** Solution for
New Construction & Manhole Rehabilitation

FEATURES & BENEFITS

- Cost Effective
- Fast & Easy Installation
- Bulk Rolls, Field-Cut to Size
- Heat-Activated, High-Shrink Membrane
- Complete Coverage Prevents I & I
- Excellent Abrasion Resistance
- Improves Structural Integrity
- High Tensile & Elongation



wrapidseal.com

ultra *ultra* *ultra*
LIGHT – VERSATILE – SAFE

ultraSHORE
P R O D U C T S



Quick to Install.
As light as 130lbs.



Roll Your Own.
Optional wheel kit.



Stacks easily with
2' & 4' high panels.

This is What Aluminum Shoring Was Meant to be!



1-800-683-8837

1-800-SHORING

CALL TOLL-FREE NATIONWIDE • 1-800-746-7464

www.shoring.com

Positive Displacement Blowers

Superior Signal Company LLC

Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.SuperiorSignal.com/MSW

Ad on page 113

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreake@vacuumsalesinc.com
www.vacuumsalesinc.com

Pressure Testing Equipment

Giant Industries

Toledo, OH
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

NLB Corporation

Wixom, MI
248-624-5555
nlbmtg@nlbusa.com
www.nlbcorp.com

Pollardwater

New Hyde Park, NY
www.pollardwater.com

Pressure Washers and Sprayers



Cam Spray

Iowa Falls, IA
800-648-5011 • 641-648-5011 • Fax: 641-648-5013
sales@camspray.com
www.camspray.com

Ad on page 103

Dultmeier Sales

Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

HotJet USA

Riverton, UT
800-624-8186 • 801-545-0777
sales@hotjetusa.com
www.hotjetusa.com

Ad on page 113



John Brooks Company Limited (Dynablast)

Mississauga, ON
888-881-6667 • 905-867-4642 • Fax: 905-567-4330
jthomson@dynablast.ca
www.dynablast.ca

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

NLB Corporation

Wixom, MI
248-624-5555
nlbmtg@nlbusa.com
www.nlbcorp.com

Root Rat

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
kelly@chempure.com
www.rootrat.net

Ad on page 113

Suttner America Company

Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com

Water Cannon, Inc. - MWBE

Lake Mary, FL
800-333-9274 • 321-800-5763 • Fax: 888-928-9274
sales@watercannon.com
www.watercannon.com/catalogrequest.aspx

Pump Controls

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

Pritchard Brown

Baltimore, MD
800-231-2258 • 410-483-5600
pbinfo@pritchardbrown.com
www.pritchardbrown.com

Ad on page 85

Pump Parts/ Components

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com

Ad on page 10

Cornell Pump Company

Clackamas, OR
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com

General Pump

Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com

Giant Industries

Toledo, OH
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com



John Brooks Company Limited (Dynablast)

Mississauga, ON
888-881-6667 • 905-867-4642 • Fax: 905-567-4330
jthomson@dynablast.ca
www.dynablast.ca

PRIMEX

Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com

SEEPEX Inc.

Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Smith & Loveless, Inc.

Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreake@vacuumsalesinc.com
www.vacuumsalesinc.com

Vaughan Company, Inc.

Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com

Ad on page 45

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflo.com
www.vertiflo.com

Pump Repair/Services

Smith & Loveless, Inc.

Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Pumps - Aeration

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

SEEPEX Inc.

Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Pumps - Centrifugal

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com

Ad on page 10

Crane Pumps & Systems

Piqua, OH
937-778-8947 • Fax: 614-360-0524
cranepumps@cranepumps.com
www.cranepumps.com

Ad on page 33

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflo.com
www.vertiflo.com

Pumps - Dewatering/Bypass

A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com

Ad on page 10

Boerger, LLC

Chanhassen, MN
612-435-7300 • Fax: 612-435-7301
america@boerger.com
www.boerger.com

Cornell Pump Company

Clackamas, OR
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com

Crane Pumps & Systems

Piqua, OH
937-778-8947 • Fax: 614-360-0524
cranepumps@cranepumps.com
www.cranepumps.com

Ad on page 33

Generac Mobile Products, LLC

Berlin, WI
800-926-9768 • 920-361-4442
mobilemarketing@generac.com
www.generacmobileproducts.com

Ad on page 21

General Pump
Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpccompanies.com
www.generalpump.com

GLOBAL PUMP
A MERVING COMPANY

Global Pump
Davison, MI
866-360-7867 • 810-653-4828 • Fax: 810-658-0632
sales@globalpump.com
www.globalpump.com

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 63

Komline-Sanderson

Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
info@komline.com
www.komline.com
Ad on page 73

Pollardwater

New Hyde Park, NY
www.pollardwater.com

SEPEX Inc.
Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Vaughan Company, Inc.

Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com
Ad on page 45

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

**Pumps - Effluent/
Sewage/Sump**

A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@ampump.com
www.ampump.com
Ad on page 10

Boerger, LLC
Chanhausen, MN
612-435-7300 • Fax: 612-435-7301
america@boerger.com
www.boerger.com

Cornell Pump Company

Clackamas, OR
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com

Dultmeier Sales

Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

GLOBAL PUMP
A MERVING COMPANY

Global Pump
Davison, MI
866-360-7867 • 810-653-4828 • Fax: 810-658-0632
sales@globalpump.com
www.globalpump.com

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 63



Liberty Pumps

Bergen, NY
800-543-2550 • 585-494-1817 • Fax: 585-494-1839
liberty@libertypumps.com
www.libertypumps.com

Pollardwater

New Hyde Park, NY
www.pollardwater.com

Reed Manufacturing

Erie, PA
800-666-3691 • 814-452-3691 • Fax: 814-455-1697
reedsales@reedmfgco.com
www.reedmfgco.com
Ad on page 93

SEPEX Inc.

Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Smith & Loveless, Inc.

Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com



SEWERGARD® 210
ULTIMATE CORROSION PROTECTION

Proven Solutions for the Restoration and Corrosion Protection of Wastewater Structures

The SewerGard® 210 System offers long term asset protection

100% Solids Epoxy Coatings & Linings

SAUEREISEN

P: 412-963.0303 • info@sauereisen.com • sauereisen.com

ADVANCED WATER LEAK DETECTOR

The LD-18 Digital Water Leak Detector uses patented technology to significantly reduce ambient noises from dogs barking, footsteps, people talking, etc. The digital amplifier samples the sounds every few tenths of a second, rejecting intermittent sounds instantly.

See the LD-18 at www.subsurfaceleak.com.

weftec | 2019 Booth 1038

SubSurface Locators™
(408) 249-4673
www.subsurfaceleak.com

Vaughan Company, Inc.

Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com

Ad on page 45



Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

Pumps - Grinder

A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com

Ad on page 10

Crane Pumps & Systems

Piqua, OH
937-778-8947 • Fax: 614-360-0524
cranepumps@cranepumps.com
www.cranepumps.com

Ad on page 33

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63



Liberty Pumps

Bergen, NY
800-543-2550 • 585-494-1817 • Fax: 585-494-1839
liberty@libertypumps.com
www.libertypumps.com



Pentair

Ashland, OH
855-274-8948 • Fax: 419-281-9980
myersashland@pentair.com
www.pentair.com

Ad on page 29

Pollardwater

New Hyde Park, NY
www.pollardwater.com

SEEPEX Inc.

Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

Pumps - High Pressure Water

American Jetter

Knoxville, TN
866-944-3569 • 865-524-4647 • Fax: 865-247-5105
office@americanjetter.com
www.americanjetter.com

Ad on page 113

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com

Ad on page 10

Cornell Pump Company

Clackamas, OR
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com

Dultmeier Sales

Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

General Pump

Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com

Giant Industries

Toledo, OH
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com



Global Pump

Davison, MI
866-360-7867 • 810-653-4828 • Fax: 810-658-0632
sales@globalpump.com
www.globalpump.com

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63



John Brooks Company Limited (Dynablast)

Mississauga, ON
888-881-6667 • 905-867-4642 • Fax: 905-567-4330
jthomson@dynablast.ca
www.dynablast.ca

Komline-Sanderson

Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
info@komline.com
www.komline.com

Ad on page 73

NLB Corporation

Wixom, MI
248-624-5555
nlbmkgt@nlbusa.com
www.nlbcorp.com

Root Rat

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
kelly@chempure.com
www.rootrat.net

Ad on page 113

Sonetics

LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com

Ad on page 61

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Water Cannon, Inc. - MWBE

Lake Mary, FL
800-333-9274 • 321-800-5763 • Fax: 888-928-9274
sales@watercannon.com
www.watercannon.com/catalogrequest.aspx

Pumps - Solids/Sludge

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com

Ad on page 10

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

Komline-Sanderson

Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
info@komline.com
www.komline.com

Ad on page 73

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

Pumps - Stormwater

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com

Ad on page 10

Cornell Pump Company

Clackamas, OR
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com



Global Pump

Davison, MI
866-360-7867 • 810-653-4828 • Fax: 810-658-0632
sales@globalpump.com
www.globalpump.com

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

Vaughan Company, Inc.

Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com

Ad on page 45



Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

Pumps - Submersible

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

Pumps - Test

General Pump

Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com

Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com
Ad on page 109

Reed Manufacturing

Erie, PA
800-666-3691 • 814-452-3691 • Fax: 814-455-1697
reedsales@reedmfgco.com
www.reedmfgco.com
Ad on page 93

SEEPEx Inc.

Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Pumps - Vacuum Pressure

Dultmeier Sales

Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com

Ad on page 115

Milwaukee Rubber Products, Inc.

Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com

Ad on page 113

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreake@vacuumsalesinc.com
www.vacuumsalesinc.com

Pumps - Vertical/Lift Station

Cornell Pump Company

Clackamas, OR
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRPumps.com

Ad on page 63

Hayward Flow Control

Clemmons, NC
888-429-4635
www.haywardflowcontrol.com



Smith & Loveless Inc.

Smith & Loveless, Inc.
Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Vaughan Company, Inc.

Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com

Ad on page 45

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

Pumps - Washdown

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtpump.com

Ad on page 10

Cornell Pump Company

Clackamas, OR
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com

Dultmeier Sales

Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com

Ad on page 115

General Pump

Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com



- IN STOCK OR CUSTOM BUILT
- MUNICIPAL FINANCING AVAILABLE
- BID SPEC WRITING AVAILABLE



SALES@FLOWMARK.COM | 1-(833) 653-8100 | FLOWMARK.COM

OUR TECHNOLOGY IS BASED ON SOUND SCIENCE

Inspect More, Clean Better

Active Acoustics screen for blockage with no flow contact

MILLIONS OF FEET INSPECTED

- Save time, water, AND money
- Screen 2+ miles per day
- EPA validated
- Highly portable and easy to operate



SL-RAT®



InfoSense, Inc.
Innovating Acoustic Inspection Technology

877-747-3245

sales@infosense.com • www.infosense.com

weftec | 2019
Booth 2805

Giant Industries

Toledo, OH
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

Hayward Flow Control

Clemmons, NC
888-429-4635
www.haywardflowcontrol.com

Vaughan Company, Inc.

Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com

Ad on page 45

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

Pumps - Water

A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

AMT Pump Company

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtpump.com

Ad on page 10

Cornell Pump Company

Clackamas, OR
503-653-0330 • Fax: 503-653-0338
muni@cornellpump.com
www.cornellpump.com

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com

Ad on page 115

Generac Mobile Products, LLC

Berlin, WI
800-926-9768 • 920-361-4442
mobilemarketing@generac.com
www.generacmobileproducts.com

Ad on page 21

General Pump

Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com

Giant Industries

Toledo, OH
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1251
grsales@gormanrupp.com
www.GRpumps.com

Ad on page 63

Hayward Flow Control

Clemmons, NC
888-429-4635
www.haywardflowcontrol.com

NLB Corporation

Wixom, MI
248-624-5555
nlbmtkg@nlbusa.com
www.nlbcorp.com

SEEPLEX Inc.

Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Vertiflo Pump Company

Cincinnati, OH
513-530-0888 • Fax: 513-530-0893
sales@vertiflopump.com
www.vertiflopump.com

PVC Sewer Couplings



Dallas Specialty & Mfg. Co.
Grand Prairie, TX
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspc.com
www.dallasspecialty.com

Reinstatement Cutters

ARIES
INDUSTRIES, INC.

Aries Industries
Waukesha, WI
800-234-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com

Ad on page 11



CUES, Inc.
Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Envirosight LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com

Ad on page 2

Enz USA Inc.

Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71

HammerHead Trenchless

Lake Mills, WI
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com
Ad on page 25

Perma-Liner Industries, LLC
Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5



Pipeline Renewal Technologies
Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@pipelinert.com
www.pipelinert.com
Ad on page 41



RapidView IBAK North America
Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com
Ad on page 49

TruGrit Traction Inc.

Winter Park, FL
407-900-1091
info@trugrittraction.com
www.TruGritTraction.com

Warrior Trenchless Solutions

Lancaster, NY
716-601-7760
www.thermoformliner.com

Rental Equipment



American Shoring Inc.
Newburgh, NY
800-407-4674 • 845-562-4477 • Fax: 845-562-2411
sales@americanshoring.com
www.americanshoring.com
Ad on page 32

AMETEK Brookfield

Chandler, AZ
800-528-7411 • 602-470-1414 • Fax: 602-281-1745
sales@azic.com
www.azic.com
Ad on page 24

Bright Technologies, Division of Sebright Products, Inc.

Hopkins, MI
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
julie@brightbeltpress.com
www.brightbeltpress.com
Ad on page 97

Dynamic Repairs

Lodi, NJ
973-478-0893 • Fax: 973-478-0895
dynamicablerepairs@yahoo.com
www.dynamicrepairs.biz
Ad on page 113

Envirosight LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com
Ad on page 2



Global Pump
Davison, MI
866-360-7867 • 810-653-4828 • Fax: 810-658-0632
sales@globalpump.com
www.globalpump.com

ICS, Blount, Inc.

Portland, OR
800-321-1240 • Fax: 503-653-4393
marketing@icsdiamondtools.com
www.icsdiamondtools.com

InfoSense, Inc.

Charlotte, NC
877-747-3245 • 704-644-1164 • Fax: 704-930-0145
sales@infosense.com
www.infosense.com
Ad on page 91

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

Kohler Power Systems

Kohler, WI
800-544-2444 • 920-457-4441
www.kohlerpower.com

Lansas Mfg. by Vanderlans & Sons Inc.

Lodi, CA
800-452-4902 • 209-334-4115 • Fax: 209-339-8260
info@lansas.com
www.lansas.com

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

NLB Corporation

Wixom, MI
248-624-5555
nlbmtkg@nlbusa.com
www.nlbcorp.com

NozzTeq Inc.
Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com

Pipeline Renewal Technologies
Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@pipelinert.com
www.pipelinert.com
Ad on page 41

Ratech Electronics, Ltd.
Vaughan, ON
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

Reline America
Saltville, VA
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com
Ad on page 93

SAERTEX multiCom
Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multicom.com
Ad on page 101

**Sewer Equipment Co.
of America by Sewer Equipment**
Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 57



Sewer Pro Shop, LLC
Marietta, GA
877-864-9394 • 470-592-1715 • Fax: 770-984-2802
info@sewerproshop.com
www.sewerproshop.com
Ad on page 95

Spartan Tool
Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com

Super Products LLC
New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductslc.com
www.superproductslc.com
Ad on page 67



The Plug Hug LLC
Bellville, OH
719-313-2791 • Fax: 719-213-2000
dougmarshall@theplughug.com
www.theplughug.com
Ad on page 8

Vector Manufacturing
Streator, IL
800-627-3171 • 815-672-3171
sales@vactor.com
www.vactor.com
Ad on page 3

Vacuum Sales, Inc.
Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Repair/Rebuilding Equipment

Dynamic Repairs
Lodi, NJ
973-478-0893 • Fax: 973-478-0895
dynamicablerepairs@yahoo.com
www.dynamicrepairs.biz
Ad on page 113

Hydraulic Specialty
Fridley, MN
844-282-1060
www.hydraulicspecialty.com

Infrastructure Repair Systems, Inc.
St. Petersburg, FL
877-327-4216 • 727-327-4216 • Fax: 727-327-4118
irsi@irsi.net
www.irsi.net

Krausz USA Inc.
Ocala, FL
855-457-2870 • 855-495-4099 • Fax: 352-304-5787
info@krauzsusa.com
www.krauzsusa.com

Ratech Electronics, Ltd.
Vaughan, ON
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com

Simpson Strong-Tie
Pleasanton, CA
800-925-5099 • Fax: 925-847-1603
web@strongtie.com
www.strongtie.com

GET PUMPED

PUMP STICK™ CORDLESS POWER WATER TRANSFER PUMP



- Pumps up to 15 gallons/minute
- Compatible with several 18V-20V battery brands*
- Secure, magnetic hose connection
- Aluminum body for durability
- Multiple screen/filter options

CP15-38



Pump Stick™ with 4Ah battery and charger, plus 2-foot hose in sturdy storage case.

*With optional battery adapter plate



PIPE TOOLS & VISES
SINCE 1896

Reed Manufacturing • Erie, PA USA
reedsales@reedmfgco.com • www.reedmfgco.com

RELINE AMERICA®



JOIN US and Change the World of Pipeline Rehabilitation



Made In the USA
Strongest UV GRP
Liner Available on
the Market
Field Assistance
State-of-the-Art
Training & Support

with Alphaliner UV GRP

opportunities like this
don't last...call today

866.998.0808



Visit us at #317

www.relineamerica.com



The Plug Hug LLC
Bellville, OH
719-313-2791 • Fax: 719-213-2000
douglasmarshall@theplughug.com
www.theplughug.com
Ad on page 8

Vector Manufacturing

Sireator, IL
800-627-3171 • 815-672-3171
sales@vector.com
www.vector.com
Ad on page 3

Vacuum Sales, Inc.

Lindenwald, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Rodding Machines

General Pipe Cleaners/General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300
info@drainbrain.com
www.drainbrain.com
Ad on page 55

Sewer Equipment Co. of America by Sewer Equipment

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 57

Sonetics

LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com
Ad on page 61

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 69

Root Control - Chemical



Duke's
Product. Service. Guarantee.
Duke's Root Control, Inc.
Syracuse, NY
800-447-6687 • 315-472-4781 • Fax: 315-475-4203
lynn@dukes.com
www.dukes.com
Ad on page 9



RootX
Salem, OR
800-844-4974 • 503-364-2999 • Fax: 503-485-5229
rootx@rootx.com
www.rootx.com

Root Control - Mechanical

American Jetter

Knoxville, TN
866-944-3569 • 865-524-4647 • Fax: 865-247-5105
office@americanpridedist.com
www.americanjetter.com
Ad on page 113



Arthur Products Co.
Medina, OH
800-322-0510 • 330-725-4905 • Fax: 330-722-2698
apc@apcsq.com
www.arthurproducts.com



Enz USA Inc.
Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

NozzTeq Inc.

Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com



Perma-Liner Industries, LLC
Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5

Root Rat

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
kelly@chempure.com
www.rootrat.net
Ad on page 113



Sewer Pro Shop, LLC
Marietta, GA
877-864-9394 • 470-592-1715 • Fax: 770-984-2802
info@sewerproshop.com
www.sewerproshop.com
Ad on page 95

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 69

Suttner America Company

Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com



USB-USA
USB-USA LLC
Douglasville, GA
844-285-5770 • 678-214-7965 • Fax: 678-649-1766
info@usb-usa.com
www.usb-usa.com
Ad on page 102

Safety Equipment/ Personal Protection

3T Equipment Co. Inc.

Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com
Ad on page 103

American Pleasure Products, Inc.

Rose City, MI
989-685-2697 • Fax: 989-685-8484
info@aquacycleusa.com
www.aquacycleusa.com
Ad on page 83

H2TR

East Lansing, MI
517-204-2121
cam.howie@h2tr.com
www.H2TR.com
Ad on page 112

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

Milwaukee Rubber Products, Inc.

Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeeerubber.com
www.milwaukeeerubber.com
Ad on page 113

NLB Corporation
Wixom, MI
248-624-5555
nlbmtg@nlbusa.com
www.nlbcorp.com



Sonetics
LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com
Ad on page 61

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 69

Sto-Away Power Cranes, Inc.

Crown Point, IN
800-622-9797 • 219-942-9797 • Fax: 219-947-2503
stoaway@comcast.net
www.stoaway.com
Ad on page 99

Tech Products, Inc.

Staten Island, NY
800-221-1311 • 718-442-4900 • Fax: 718-442-2124
DOConnor@TechProducts.com
www.techproducts.com



The Plug Hug LLC
Bellville, OH
719-313-2791 • Fax: 719-213-2000
douglasmarshall@theplughug.com
www.theplughug.com
Ad on page 8

Sand Removal

Smith & Loveless, Inc.

Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Sanitary Sewer Collection System

LF Manufacturing, Inc.

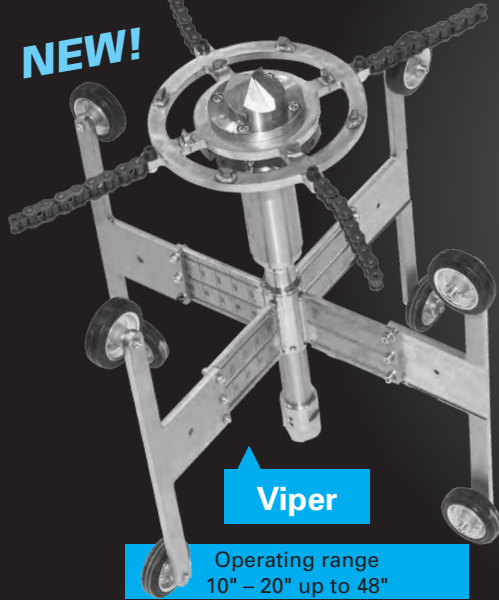
Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfm-frp.com
www.lfm-frp.com

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmmanhole.com
www.mrmmanhole.com

POWERFUL, INNOVATIVE & COST-EFFECTIVE MULTI-PURPOSE TOOLS

NEW!

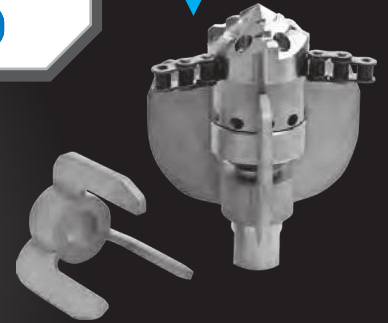


Viper

Operating range
10" - 20" up to 48"



**Raptor with
Flex Guide Skid**



**Raptor
Chain Cutter**

Adjustable stainless steel
guide skid 6" - 12"
Easily converts from a root cutter
to a total blockage remover

▼ Innovative, reliable and highly efficient turbine chain cutters to remove heavy obstructions caused by roots, grease, mineral deposits or other solid organic material in no time.

▼ Hydrodynamic tools utilize tempered stainless steel, ceramic nozzle inserts and recycled water capable.

No Lubrication Required

Distributing For **BLUESTAR**
Nozzles made for Professionals

SEWER
PRO SHOP

○ MARIETTA, GA
○ 877-864-9394
○ www.SewerProShop.com

COME SEE US AT WEFTEC - BOOTH #5252

FLOMATIC® VALVES

WATER & WASTEWATER APPLICATIONS

Since 1933 Flomatic is known for their high quality line of Swing Check, Ball Check, Plug, and Control Valves. Many of Flomatic valve products today are compliant with the American Iron and Steel Provision (AIS). When seeking "High Quality Valves Built To Last" for your next application - think Flomatic.



WWW.FLOMATIC.COM | 800-833-2040
15 Pruy's Island Dr, Glens Falls, NY 12801

OBIC, LLC
Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

Parson Environmental Products, Inc.
Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com



Reline America
Saltville, VA
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com
Ad on page 93



SAERTEX multiCom
Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multi.com
Ad on page 101

Sauereisen, Inc.
Pittsburgh, PA
412-963-0303
jedavis@sauereisen.com
www.sauereisen.com
Ad on page 89

Sealing Systems, Inc.
Loretto, MN
800-478-2054 • 763-478-2057 • Fax: 763-478-8868
pam@ssisealingsystems.com
www.ssisealingsystems.com
Ad on page 83

SmartCover Systems
Escondido, CA
760-291-1980
sales@smartcoversystems.com
www.smartcoversystems.com
Ad on page 53

SCADA Systems



GE Digital
San Ramon, CA
800-433-2682
www.ge.com/digital

PRIMEX
Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com

Screens - Wastewater



Enviro-Care Company
Gurnee, IL
815-636-8306
ecsales@enviro-care.com
www.enviro-care.com

Rhinocan Filtration Inc.
Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Smith & Loveless, Inc.
Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Septage Receiving Stations



Enviro-Care Company
Gurnee, IL
815-636-8306
ecsales@enviro-care.com
www.enviro-care.com

Service Company



The Plug Hug LLC
Bellville, OH
719-313-2791 • Fax: 719-213-2000
douglasmarshall@theplughug.com
www.theplughug.com
Ad on page 8

Shoring Equipment

Pronal-USA, Inc.
South Daytona, FL
386-310-1558 • Fax: 386-310-1559
tsimunac@pronal-usa.com
www.pronal-usa.com
Ad on page 77

Trench Plate Rental Co.
Atlanta, GA
800-746-7464 • 404-505-0510 • Fax: 404-505-0506
info@shoring.com
www.shoring.com
Ad on page 87

Signs/Labels/Tags



Tech Products, Inc.
Staten Island, NY
800-221-1311 • 718-442-4900 • Fax: 718-442-2124
DOConnor@TechProducts.com
www.techproducts.com



Terra Tape Underground Marking Tape
Houston, TX
800-231-6074
ri@reefindustries.com
www.terratape.com

Sludge - Treatment

Bright Technologies, Division of Sebright Products, Inc.
Hopkins, MI
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
julie@brightbeltpress.com
www.brightbeltpress.com
Ad on page 97

FKC Co., Ltd.
Port Angeles, WA
360-452-9472
mail@fkcscrewpress.com
www.fkcscrewpress.com

Komline-Sanderson
Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
info@komline.com
www.komline.com
Ad on page 73

Rhinocan Filtration Inc.
Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

SEEPEx Inc.
Enon, OH
937-864-7150
sales.us@seepex.com
www.seepex.com

Smith & Loveless, Inc.
Lenexa, KS
800-898-9122 • 913-888-5201 • Fax: 913-888-2173
answers@smithandloveless.com
www.smithandloveless.com

Suttner America Company
Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com

Vaughan Company, Inc.
Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com
Ad on page 45

Software - Inspection/Mapping

Aries Industries
Waukesha, WI
800-234-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 11



CUES, Inc.
Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Envirosight LLC
Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com
Ad on page 2

Hurco Technologies, Inc.
Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com
Ad on page 109

InfoSense, Inc.
Charlotte, NC
877-747-3245 • 704-644-1164 • Fax: 704-930-0145
sales@infosense.com
www.infosense.com
Ad on page 91

RapidView IBAK North America
Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
sales@rapidview.com
www.rapidview.com
Ad on page 49



WinCan
Pittsburgh, PA
877-626-8386
sales.us@wincan.com
www.wincan.com
Ad on page 7

Solid Interceptor



Rhinocan Filtration Inc.
Montreal, QC
833-495-4343 • 514-495-4343 • Fax: 866-581-8922
info@rhinofiltration.com
www.rhinofiltration.com

Sonar Profiling



CUES, Inc.
Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 35

Storage Tanks

Dultmeier Sales
Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

LF Manufacturing, Inc.
Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfm-frp.com
www.lfm-frp.com

Pronal-USA, Inc.
South Daytona, FL
386-310-1558 • Fax: 386-310-1559
tsimunac@pronal-usa.com
www.pronal-usa.com

Ad on page 77

Stormwater Collection Systems

Advanced Drainage Systems, Inc.
Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Enz USA Inc.

Aurora, IL
877-362-8721 • 630-692-7880 • Fax: 630-692-7885
salesusa@enz.com
www.enz.com/en-us/home/
Ad on page 71

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com

OBIC, LLC

Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

Parson Environmental Products, Inc.

Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com

PRIMEX

Detroit Lakes, MN
218-847-1317 • Fax: 218-847-4617
info@primexcontrols.com
www.primexcontrols.com



Reline America

Saltsville, VA
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com
Ad on page 93



SAERTEX multiCom

Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multicom.com
Ad on page 101

SmartCover Systems

Escondido, CA
760-291-1980
sales@smartcoversystems.com
www.smartcoversystems.com
Ad on page 53



T&T Tools, Inc.
800.521.6893

Probes & Hooks

T&T Tools, Inc.

Probes & Hooks



Hooks...

- ★ Heat treated for long life
- ★ Manhole Cover Hooks
- ★ Septic Tank Lid Hooks
- ★ Many styles available
- ★ "T" handles for two hands or compact "D" handles

Probes...

- ★ Insulated, Standard and Specialty
- ★ Metal shafts: 3/8 round or hex
- ★ Replaceable hardened tips
- ★ Optional "slide" available to make your probe a mini-slide hammer

Call for a FREE Catalog

Email: sales@mightyprobe.com Fax: 800.521.3260



Booth 959

Belt filter presses featuring innovative features that provide high performance in a compact high value package.



Bright Technologies offers complete Belt Filter Press dewatering systems that are skid or trailer mounted. We design and manufacture the skid equipment package for high throughput, low maintenance, superior cake solids and ease of operation.



800-253-0532

127 N. Water St., Hopkins MI 49328
www.brightbeltpress.com

Superior Signal Company LLC

Old Bridge, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.SuperiorSignal.com/MSW

Ad on page 113

VEGA Americas, Inc.

Cincinnati, OH
800-367-5383 • 513-272-0131 • Fax: 513-272-0133
americas@vega.com
www.vega.com

Ad on page 65

Stormwater Management



Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com

Best Management Products, Inc.

East Haddam, CT
800-504-8008 • 410-687-6256 • Fax: 877-434-3197
tjm@bmpinc.com
www.bmpinc.com

Ad on page 10

CHEMetrics, Inc.

Midland, VA
800-356-3072 • 540-788-9026 • Fax: 540-788-4856
marketing@chemetrics.com
www.chemetrics.com

Ferguson Waterworks

Newport News, VA
www.ferguson.com/waterworks

GE Digital

San Ramon, CA
800-433-2682
www.ge.com/digital

LINAK U.S.

Louisville, KY
502-253-5595 • Fax: 502-253-5596
info@linak-us.com
www.linak-us.com

OBIC, LLC

Bryan, OH
866-636-4854 • 419-633-3147 • Fax: 419-636-7437
info@obicproducts.com
www.obicproducts.com

Olsson

Lincoln, NE
402-474-6311
www.olsson.com

Ad on page 19



Reline America

Salville, VA
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com

Ad on page 93

Sealing Systems, Inc.

Loretto, MN
800-478-2054 • 763-478-2057 • Fax: 763-478-8868
pam@sssealing.com
www.sssealing.com

Ad on page 83

Tech Products, Inc.

Staten Island, NY
800-221-1311 • 718-442-4900 • Fax: 718-442-2124
DOConnor@TechProducts.com
www.techproducts.com

Stormwater Pretreatment

Best Management Products, Inc.

East Haddam, CT
800-504-8008 • 410-687-6256 • Fax: 877-434-3197
tjm@bmpinc.com
www.bmpinc.com

Ad on page 10

Stormwater Training

StormwaterONE

Meriden, CT
877-257-9777
info@stormwaterone.com
www.stormwaterone.com

Tank Parts & Components

Hayward Flow Control

Clemmons, NC
888-429-4635
www.haywardflowcontrol.com

LF Manufacturing, Inc.

Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfrp.com
www.lfrp.com

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

Trenchless Pipe Replacement

AP/M Permaform

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
info@permaform.net
www.permaform.net

Ad on page 75

Applied Felts, Inc.

Martinsville, VA
276-656-1904
info@appliedfelts.com
appliedfelts.com

Ad on page 13

HammerHead Trenchless

Lake Mills, WI
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com

Ad on page 25

HydraTech Engineered Products

Cincinnati, OH
513-827-9169 • Fax: 513-827-9171
info@hydrattechllc.com
www.hydrattechllc.com

Perma-Liner Industries, LLC
Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5

Pow-R Mole Trenchless Solutions

Lancaster, NY
800-344-6653 • 716-683-2486
www.powrmole.com

Reline America
116 Battleground Ave.
Saltville, VA 24370
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com
Ad on page 93

SAERTEX multiCom

Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multicom.com

Ad on page 101

Spartan Tool

Niles, MI
800-435-3866
sales@spartantool.com
www.spartantool.com

Warrior Trenchless Solutions

Lancaster, NY
716-601-7760
www.thermoformliner.com

Trenchless Point/ Spot Repair

Cretex Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
info@cretexseals.com
www.cretexseals.com

Ad on page 20

Envirosight LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@envirosight.com
www.envirosight.com

Ad on page 2

HammerHead Trenchless

Lake Mills, WI
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com

Ad on page 25

HydraTech Engineered Products

Cincinnati, OH
513-827-9169 • Fax: 513-827-9171
info@hydrattechllc.com
www.hydrattechllc.com

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • 727-327-4216 • Fax: 727-327-4118
irsi@irsi.net
www.irsi.net

Linabond, Inc.

Camarillo, CA
805-484-7373
info@linabond.com
www.linabond.com

Neopoxy LLC

Hayward, CA
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

Perma-Liner Industries, LLC
Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5



Pipeline Renewal Technologies

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
mail@pipelinert.com
www.pipelinert.com

Ad on page 41

Prime Resins

Conyers, GA
800-321-7212 • 770-388-0626 • Fax: 770-388-0936
info@primeresins.com
www.primeresins.com
Ad on page 112



SAERTEX multiCom

Huntersville, NC
704-584-4051 • Fax: 704-464-5922
m.hallett@saertex.com
www.saertex-multi.com
Ad on page 101

Sprayroq, Inc.

Irontdale, AL
800-634-0504 • 205-957-0020 • Fax: 205-957-0021
info@sprayroq.com
www.sprayroq.com

Warrior Trenchless Solutions

Lancaster, NY
716-601-7760
www.thermoformliner.com

Truck Parts/ Accessories

Hydraulic Specialty

Fridley, MN
844-282-1060
www.hydraulicspecialty.com

OceanQuip Connectors, LLC

Harvey, LA
504-738-7833 • Fax: 888-979-8195
info@oceanquipconnectors.com
www.oceanquipconnectors.com
Ad on page 113

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductslc.com
www.superproductslc.com
Ad on page 67

VMAC

Nanaimo, BC
800-738-8622 • 250-740-3200 • Fax: 250-740-3201
marketing@vmacair.com
www.vmacair.com
Ad on page 14

Underground Piercing Tools

HammerHead Trenchless

Lake Mills, WI
800-331-6653 • 920-648-4848
www.hammerheadtrenchless.com
Ad on page 25

Pow-R Mole Trenchless Solutions

Lancaster, NY
800-344-6653 • 716-683-2486
www.powrmole.com

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeerms.com

UV CIPP

Perma-Liner Industries, LLC

Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ad on page 5

UV Liners & Equipment

Reline America

Saltville, VA
866-998-0808 • 276-496-4000
info@relineamerica.com
www.relineamerica.com
Ad on page 93

Vacuum Trucks - Water Recycling/Reuse

Bucher Municipal North America Inc.

Mooreville, SC
704-658-1333 • Fax: 704-658-1377
info.bmna@buchermunicipal.com
www.buchermunicipal.us
Ad on page 20



GapVax, Inc.

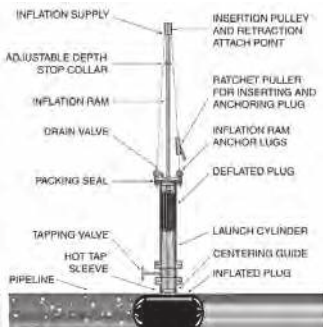
Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Petersen® Pipe Plugging Systems



Pipe Plugs and Packers for all your Pressure, Chemical, and Temperature Requirements. Call us to quickly customize a pipe plug or plugging system for your specific application.

Economical Hot Tap Plugging Systems



www.pipeplug.com

Petersen PRODUCTS COMPANY
Serving Professionals Since 1916

PHONE 800.926.1926 OR 262.692.2416
FAX 262.692.2418

Sto-Away Power Cranes
TAKE THE WORK, OUT OF WORK!
The faster, safer, and more efficient way to get the job done!

A VERSATILE TOOL FOR MUNICIPALITIES AND SEWER PROFESSIONALS
Ask for the STO-AWAY POWER CRANES on your next bid

- CCTV Launching/Retrieval
- Confined Space Work
- Bulky Loads

Sto-Away Power Cranes, Inc.
9306 Grand Blvd. • Crown Point, IN 46307
1.800.622.9797 • 219.942.9797 • www.stoaway.com

Compliments of Best Equipment & Muncie Sanitary District

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • 402-463-6633 • Fax: 402-463-4355
www.hastingsirrigation.com

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com

Ad on page 67

VACALL™

Vacall
New Philadelphia, OH
800-445-4752 • 330-339-2211 • Fax: 330-339-8468
mtnorman@gradall.com
www.vacall.com

Ad on page 39

Vac-Con

Green Cove Springs, FL
904-284-4200
vns@vac-con.com
www.vac-con.com

Ad on pages 47, 116

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeermvs.com

Vacuum Trucks/ Trailers - Ind., Wet/dry, Non-Haz.

3T Equipment Co. Inc.

Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com

Ad on page 103

Bucher Municipal North America Inc.

Mooreville, SC
704-658-1333 • Fax: 704-658-1377
info.bmna@buchermunicipal.com
www.buchermunicipal.us

Ad on page 20

Cusco

Richmond Hill, ON
800-490-3541 • 905-883-1214 • Fax: 905-883-1778
sales@wastequip.com
www.wastequip-cusco.com

Ad on page 23



GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com

Ad on page 115

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com

Ad on page 112

Sewer Equipment Co. of America

by Sewer Equipment

Dixon, IL
888-477-7611 • Fax: 815-284-0453
sales@sewerequipment.com
www.sewerequipment.com

Ad on page 57

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com

Ad on page 67

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreake@vacuumsalesinc.com
www.vacuumsalesinc.com



Vac-Con

Green Cove Springs, FL
904-284-4200
vns@vac-con.com
www.vac-con.com

Ad on pages 47, 116

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeermvs.com

Vacuum Trucks/ Trailers - Septic

Bucher Municipal North America Inc.

Mooreville, SC
704-658-1333 • Fax: 704-658-1377
info.bmna@buchermunicipal.com
www.buchermunicipal.us

Ad on page 20

FlowMark Vacuum Trucks

Olathe, KS
833-653-8100 • 913-653-8103
sales@flowmark.com
www.flowmark.com

Ad on page 91

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com

Ad on page 67

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreake@vacuumsalesinc.com
www.vacuumsalesinc.com

Vacuum Trucks/ Trailers - Wet/Dry Hazardous

Cusco

Richmond Hill, ON
800-490-3541 • 905-883-1214 • Fax: 905-883-1778
sales@wastequip.com
www.wastequip-cusco.com

Ad on page 23

FlowMark Vacuum Trucks

Olathe, KS
833-653-8100 • 913-653-8103
sales@flowmark.com
www.flowmark.com

Ad on page 91

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • 402-463-6633 • Fax: 402-463-4355
www.hastingsirrigation.com

Magnus Vac by Economy Drilling Solutions

Edmond, OK
405-513-8295
sales@magnusmfg.com
www.magnusvac.com

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100
info@superproductsllc.com
www.superproductsllc.com

Ad on page 67

Tornado Global Hydrovacs Ltd.

Calgary, AB
877-340-8141 • 403-742-6121
media@tghl.ca
www.tornadotrucks.com
Ad on page 59

Vacuum Sales, Inc.

Lindenwold, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreake@vacuumsalesinc.com
www.vacuumsalesinc.com

Vaughan Company, Inc.

Montesano, WA
888-249-2467 • 360-249-4042 • Fax: 360-249-6155
info@chopperpumps.com
www.chopperpumps.com

Ad on page 45

Valve Boxes/ Components

A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

American Highway Products Ltd.

Bolivar, OH
888-272-2397 • 330-874-3270 • Fax: 330-874-3800
sales@ahp1.com
www.ahp1.com

Ad on page 81

FLOMATIC® VALVES

Flomatic Valves

Glens Falls, NY
800-833-2040 • 518-761-9797 • Fax: 518-761-9798
flomatic@flomatic.com
www.flomatic.com

Ad on page 95

LF Manufacturing, Inc.

Giddings, TX
800-237-5791 • 979-542-8027 • Fax: 979-542-0911
wastewatersales@lfm-frp.com
www.lfm-frp.com

LINAK U.S.

Louisville, KY
502-253-5595 • Fax: 502-253-5596
info@linak-us.com
www.linak-us.com

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com

Parson Environmental Products, Inc.

Wernersville, PA
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
info@parsonenvironmental.com
www.parsonenvironmental.com

Valve Exercising Equipment

3T Equipment Co. Inc.

Santa Rosa, CA
707-543-8555 • Fax: 707-543-8558
tk3tequip@aol.com
www.3tequipco.com
Ad on page 103

Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466
info@hurcotech.com
www.hurcotech.com
Ad on page 109

Reed Manufacturing

Erie, PA
800-666-3691 • 814-452-3691 • Fax: 814-455-1697
reedsales@reedmfgco.com
www.reedmfgco.com
Ad on page 93

Vermeer MV Solutions

Okahumpka, FL
352-728-2222
sales@vactron.com
www.vermeermps.com

Valve Insertion/Removal Tools

Mr. Manhole

Delphos, OH
419-741-9075 • Fax: 419-692-1600
sales@mrmmanhole.com
www.mrmmanhole.com

Specialty Maintenance Products

Houston, TX
713-667-4402 • Fax: 713-669-8618
sales@smptools.com
www.smptools.com
Ad on page 79

Valves



A.Y. McDonald Mfg. Co.

Dubuque, IA
800-292-2737 • 563-583-7311
sales@aymcdonald.com
www.aymcdonald.com

Advanced Pedestals, Ltd.

Gainsville, TX
888-433-5711 • 940-668-4371 • Fax: 940-668-4381
apisales@petroflexna.com
www.polychek.com

Dallas Specialty & Mfg. Co.

Grand Prairie, TX
800-222-5644 • 972-641-8444 • Fax: 972-641-8488
mike@dalspc.com
www.dallasspecialty.com

Dultmeier Sales

Omaha, NE
800-228-9666 • 402-333-1444 • Fax: 402-333-5546
dultmeier@dultmeier.com
www.dultmeier.com

FLOMATIC® VALVES

Flomatic Valves

Glens Falls, NY
800-833-2040 • 518-761-9797 • Fax: 518-761-9798
flomatic@flomatic.com
www.flomatic.com
Ad on page 95

General Pump

Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalpump.com

Giant Industries

Toledo, OH
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Hayward Flow Control

Clemmons, NC
888-429-4635
www.haywardflowcontrol.com



John Brooks Company Limited (Dynablast)

Mississauga, ON
888-881-6667 • 905-867-4642 • Fax: 905-567-4330
jthomson@dynablast.ca
www.dynablast.ca

Suttner America Company

Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com

Vacuum Sales, Inc.

Lindenwood, NJ
800-547-7790 • 856-627-7790 • Fax: 856-627-3044
jredstreak@vacuumsalesinc.com
www.vacuumsalesinc.com

The UV Cured SAERTEX-LINER®: Next Generation of GRP Liners!



High Strength GRP Liner for Sewer, Pressure and Water Pipes

SAERTEX multiCom LP | 12200 - A Mt. Holly-Huntersville Rd. | Huntersville, NC 28078 | USA | Phone: +1 317 464-9717
Fax: +1 704 464 - 5922 | E-Mail: multicom@saertex.com | www.saertex-multicom.com

Vent Pipe Filters

Simple Solutions Distributing

West Milford, NJ
800-667-8465 • 973-846-7817 • Fax: 973-858-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com

Ad on page 112

Water Quality Testing

CHEMetrics, Inc.

Midland, VA
800-356-3072 • 540-788-9026 • Fax: 540-788-4856
marketing@chemetrics.com
www.chemetrics.com

Waterblasting Equipment

Giant Industries

Toledo, OH
800-633-4565 • 419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

HotJet USA

Riverton, UT
800-624-8186 • 801-545-0777
sales@hotjetusa.com
www.hotjetusa.com

Ad on page 113

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637
sales@kegtechnologies.net
www.kegtechnologies.net

Milwaukee Rubber Products, Inc.

Menomonee Falls, WI
800-325-3730 • 262-781-7888 • Fax: 262-781-1742
dennis@milwaukeerubber.com
www.milwaukeerubber.com

Ad on page 113

NLB Corporation

Wixom, MI
248-624-5555
nlbmtg@nlbusa.com
www.nlbcorp.com

NozzTeq Inc.

Clearwater, FL
866-620-5915 • 727-223-4979 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com

Sonetics

LAKE OSWEGO, OR
800-833-4558 • 503-684-7080 • Fax: 503-620-2943
sales@soneticscorp.com
www.soneticscorp.com

Ad on page 61

SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
paul.renard@ssilocators.com
www.ssilocators.com

Ad on page 112

Suttner America Company

Dubuque, IA
800-831-0660
sales@suttner.com
www.suttner.com

Welders



VAN AIR

Michigan City, IN
800-526-8817 • 219-879-5100 • Fax: 219-879-5800
marketing@vanair.com
www.vanair.com

Ad on page 24

Wireless Controls

Aarcomm Systems Inc.

Coquitlam, BC
800-604-9218
sales@aarcomm.com
www.aarcomm.com

TURBO CHAIN CUTTERS

 20,000 RPM

TEMPERED STEEL
PURE ALUMINUM 

10 SIZES
2 - 48" PIPES



 3D FLUID
MECHANICS



FIXED & FLEXIBLE SKIDS
FINE 1/16"
ADJUSTMENTS



info@usb-usa.com | 1-844-285-5770 | www.usb-usa.com

If You Purchased Liquid Aluminum Sulfate From January 1, 1997 Through February 28, 2011, You Could Get Money From Class Action Settlements Totaling Up To \$33.625 Million

Please read this entire Notice carefully. Settlements of the lawsuit may affect your rights.

Settlements have been reached in a lawsuit pending in the United States District Court for the District of New Jersey (the "Court") against the following Defendants: General Chemical Corporation, General Chemical Performance Products, LLC, General Chemical LLC, GenTek Inc., Chemtrade Logistics Income Fund, Chemtrade Logistics Inc., Chemtrade Chemicals Corporation, Chemtrade Chemicals US, LLC, Chemtrade Solutions, LLC, C&S Chemicals, Inc., USALCO, LLC, Kemira Chemicals, Inc., Southern Ionics Incorporated, GEO Specialty Chemicals, Inc., Frank A. Reichl, Vincent J. Opalewski, Alexis Palvos Avraamides, Amita Gupta, Milton Sundbeck, Kenneth A. Ghazey, Brian C. Steppig, American Securities LLC, Matthew Lebaron, and Scott Wolff. Plaintiffs in the lawsuit claim that Defendants hurt competition and violated state antitrust, consumer protection, and other laws by allocating customers and markets and fixing the price of Liquid Aluminum Sulfate ("Alum"), thereby causing indirect purchasers to pay too much for Alum. Defendants deny any wrongdoing.

Settlements have been reached with Defendant Kemira Chemicals Inc. and its current and former, direct and indirect parents, subsidiaries, affiliates, insurers, directors, officers, shareholders, and employees (collectively, the "Kemira Settling Defendants"), with Defendants General Chemical Corporation, General Chemical Performance Products, LLC, General Chemical LLC, GenTek Inc., Chemtrade Logistics Income Fund, Chemtrade Logistics Inc., Chemtrade Chemicals Corporation, Chemtrade Chemicals US, LLC, Chemtrade Solutions, LLC, and their current and former, direct and indirect parents, subsidiaries, affiliates, insurers, directors, officers, shareholders, and employees, including Frank A. Reichl, Vincent J. Opalewski, Alexis Palvos Avraamides, Amita Gupta, Matthew Lebaron, and Scott Wolff (collectively, the "Chemtrade Settling Defendants"), with Defendants Southern Ionics Incorporated and its current and former, direct and indirect parents, subsidiaries, affiliates, insurers, directors, officers, shareholders, and employees, and Milton Sundbeck (the "Southern Settling Defendants"), with USALCO LLC, and its current and former, direct and indirect parents, subsidiaries, affiliates, insurers, directors, officers, shareholders, and employees (the "USALCO Settling Defendants"), with American Securities LLC, and its current and former, direct and indirect parents, subsidiaries, affiliates, insurers, directors, officers, shareholders, and employees (the "American Securities Settling Defendants"), and with C&S Chemicals, Inc. and its current and former, direct and indirect parents, subsidiaries, affiliates, insurers, directors, officers, shareholders, and employees ("C&S Chemical Settling Defendants") (collectively, the "Settling Defendants").

WHO IS INCLUDED IN THE CLASS? The Indirect Purchaser Settlement Classes consist of all persons or entities in AL, AR, AZ, CA, CO, DC, FL, HI, IL, IA, KS, ME, MA, MI, MN, MS, NE, NV, NH, NM, NY, NC, ND, OR, PR, RI, SC, SD, TN, UT, VT, WV, and WI that purchased Alum, not for resale, which was manufactured, produced, or supplied by Defendants or their unnamed co-conspirators from January 1, 1997, through February 28, 2011. Excluded from the Class are Defendants, co-conspirators, and their respective parents, subsidiaries, and affiliates.

WHAT DO THE SETTLEMENTS PROVIDE? The Kemira Settling Defendants agreed to pay into an Escrow Account the sum of \$2,350,000, the Chemtrade Settling Defendants agreed to pay the sum of \$14,000,000, the Southern Settling Defendants agreed to pay the sum of \$5,000,000, the American Securities Settling Defendants agreed to pay the sum of \$2,200,000, the USALCO Settling Defendants agreed to pay the sum of \$5,000,000, and the C&S Chemicals Settling Defendants agreed to pay the principal amount of \$700,000 plus interest (collectively, the "Settlement Funds"). In addition, the Kemira Settling Defendants, the Chemtrade Settling Defendants, and the Southern Settling Defendants each agreed to provide certain nonmonetary assistance to Indirect Purchaser Plaintiffs.

At this time, Interim IPP Lead Counsel will seek an award of attorneys' fees in the amount of 33 1/3% of the Settlement Funds, plus reimbursement of certain of their out-of-pocket expenses incurred so far in this litigation and not already reimbursed, including expert witness expenses incurred to date, as well as service awards for the class representatives of up to \$25,000 each from the Settlement Funds in recognition of their efforts to date on behalf of the Classes.

HOW DO I RECEIVE A PAYMENT FROM THE SETTLEMENTS? You must submit a Claim Form **postmarked no later than February 15, 2020**. The Claim Form and instructions on how to submit it are available at www.LiquidAluminumSulfate.com or by calling 1-866-217-4455.

WHAT ARE YOUR OPTIONS? If you wish to remain an Indirect Purchaser Settlement Class Member, you need not take any action at this time. You will give up your right to sue the Settling Defendants for the claims that the Settlements with them will resolve. If you want to keep the right to sue or continue to sue some or all of the Settling Defendants about the legal issues in this case, then you must exclude yourself from some or all of the Indirect Purchaser Settling Classes. **If you exclude yourself from any of the Indirect Purchaser Settlement Classes, you will not get any payment from the Settlements for such classes.** To exclude yourself from some or all of the Settlements, you must send a letter to the Settlement Administrator, **postmarked no later than October 7, 2019**. You may also comment on or object to some or all of the proposed Settlements. Your objections must be **filed no later than October 7, 2019**. Details on how to request exclusion, to comment, or to object to some or all of the Settlements are available on the Settlements' website, www.LiquidAluminumSulfate.com.

WHO REPRESENTS ME? The Court appointed Jay B. Shapiro of Stearns Weaver Miller Weissler Alhadeff & Sitterson, P.A. and Marvin A. Miller of Miller Law LLC as Interim IPP Lead Counsel to represent the Indirect Purchaser Settlement Classes on an interim basis and for purposes of the Settlements. If you want to be represented by your own lawyer, you may hire one at your own expense.

The Court will hold a final fairness hearing to decide whether to approve the terms of the Settlements at **2:00 p.m. on November 7, 2019**, at the Martin Luther King, Jr. Building & U.S. Courthouse, 50 Walnut Street, Room MLK 4A, Newark, New Jersey 07101. If there are objections, the Court will consider them but may still approve the Settlements. You may appear at the hearing, but you are not required to do so. The hearing may be rescheduled without notice to the Class, so if you plan to attend, please periodically check the Settlements' website for any updates.

This Notice is only a summary. For more information and updates on the status of the lawsuit, please visit www.LiquidAluminumSulfate.com or call 1-866-217-4455.



Pressure Washers & Drain Jetting Equipment

We Custom Build Machines To Your Specifications!

800-648-5011

www.camspray.com

sales@camspray.com

Van and Truck Mount Models Available
See All The Features And Specifications At CamSpray.com

STB Series Trailer-Mounted Drain Jets



- DC-Powered Jet Hose Reel and 4-Nozzle Set
- Pressure Gauge & Hour Meter
- Electric Start with Low Oil Shutdown
- Pumps Handle Fluids Up To 160°
- Lockable Tool and Storage Boxes
- 150' Garden Hose on Manual Reel
- 300 Gallon Tank with Low Water Shut Off
- Gearbox Drive Triplex Plunger Pump with Ceramic Plungers and Stainless Valves
- Trailer with Industrial Painted Finish and 15" Aluminum Wheels

STB4012K \$21,699
• 12 G.P.M. @ 4000 PSI
• 999 CC Kohler • 400' x 1/2" Hose

STB3015K \$20,999
• 15 G.P.M. @ 3000 PSI
• 999 CC Kohler • 400' x 1/2" Hose

STB2712K \$15,399
• 11.5 G.P.M. @ 2700 PSI
• 689 CC Honda • 400' x 1/2" Hose

STB3708K \$14,999
• 8 G.P.M. @ 3700 PSI
• 689 CC Honda • 300' x 3/8" Hose

STB4007K \$12,999
• 7 G.P.M. @ 4000 PSI
• 689 CC Honda • 300' x 3/8" Hose



TT4025HZ-35 \$55,399

- Produces 25 Gallons Per Minute at 4000 PSI
- 74 HP EPA Tier 4 Final Compliant Hatz Turbo Intercooled Diesel Engine
- Hydraulic Slide Out Swivel Reel with 500' x 5/8" Hose
- Air Purge Valve and 18 Gallon Anti-Freeze Tank and Freeze Protection
- Heavily Constructed Trailer with 2" x 4" Steel Tube Box Frame
- 26 Gal Fuel Tank Gives Hours of Run Time on a Single Fill
- Wireless Remote to Control Throttle Up and Down, Water Valve and More
- 350 Gallon Tank with 2" Hydrant Fill
- Features 150' Wash Down Hose and Front-mounted & Over-fender Tool Boxes



PROWLER EASEMENT MACHINES

The Prowler Easement Machine is available in extendable track, track, wheeled or track over wheel configurations. Reel available in capacities To 1,000 feet. Many options available. For more information contact:

3T Equipment Company Inc. 800-969-3001

ttequip@yahoo.com, Web Site at www.3TEquipco.com

NEW TECHNOLOGY SLATED FOR WEFTEC 2019

By Craig Mandli

WEFTEC, the Water Environment Federation's annual Technical Exhibition and Conference, offers water and wastewater professionals from around the world exposure to the newest products, along with water-quality education and training. This year's event,

from Sept. 21 to 25 in Chicago, promises to show off some of the finest new products on the market for municipal and industrial water and wastewater professionals. Below is a preview of some of the newest products that will be highlighted at this year's show.

AdEdge Water Technologies ADIN CO2

The **ADIN CO2** injection system from **AdEdge Water Technologies** is an alternative to other methods of alkalinity control and pH reduction. It's ideal for the reduction of alkalinity prior to primary treatment components for optimizing contaminant removal. The system uses carbon dioxide gas, which when released in water forms carbonic acid — a weak acid that immediately reacts with alkalis to reduce pH. With the use of the included monitoring equipment and injector, the control panel can be used in several different configurations to reduce pH. The automatic systems use a pH probe downstream of the system to regulate the amount of carbon dioxide being injected into the water. **866-823-3343; www.adedgetech.com; Booth 1458.**



ADS Environmental Services Blockage PREDICT

The **Blockage PREDICT** app, part of the cloud-based **PRISM** software from **ADS Environmental Services**, enables operators to see a developing sewer blockage weeks before it becomes an issue. The **ECHO** level monitor provides continuous remote-site data. Communicating through the high reliability LTE CAT-M1 network to **PRISM**, it analyzes and recommends action. Operators benefit using actual, real time site conditions to drive, schedule and reduce cleaning up to 80% while gaining 24/7 safeguards against SSOs. **ECHO** is a second-generation level monitor packed with advancements. **800-633-7246; www.adsenv.com; Booth 2025.**



Aerzen Rental

Aerzen Rental specializes in temporary oil-free blower and compressor solutions under 50 psig, providing a more efficient solution than renting plant air compressors. The company specializes in emergency response and long-term capital avoidance. It provides packages engineered for aggressive rental environments with onboard variable-frequency drives, remote monitoring, and outdoor builds with sound-attenuating enclosures as standard. Rental units are available for immediate deployment in the event of a production failure or shortfall to operational leasing and contracting. **844-400-2379; www.aerzenrentalusa.com; Booth 862.**



AllMax Software

AllMax Software combines software and service offerings to provide operations and maintenance solutions that make data management and reporting tasks easier and less time-consuming. **Operator10** and **Antero** have been developed according to client requests and the requirements of the industry. A comprehensive offering of technical services is offered in support of the software products. Software setup, data conversions and training are available, as well as custom report development. Annual technical support contracts offer users the ability to get help with troubleshooting and usage questions. Technical specialists are trained in water and wastewater concepts and to focus on client satisfaction. **800-670-1867; www.allmaxsoftware.com; Booth 841.**



Analytical Technology Entech EchoSmart

Entech EchoSmart sludge blanket monitors from **Analytical Technology** take the guesswork out of blanket measurements in clarifiers, thickeners and anywhere an underwater interface measurement is needed. Smart sensor technology allows for wireless networks with up to 16 sensors, reducing the per-tank price. In addition, the ability to remotely monitor the system via a cellular modem ensures support for even the most challenging processes. **800-959-0299; www.analyticaltechnology.com; Booth 3848.**



Applied Felts hybrid liners

Applied Felts hybrid liners combine fiberglass reinforcement with traditional felt liner material to provide strong, robust liners. These hybrid liners perform and install in the same manner as nonreinforced liners with the benefit of reduced thickness, delivering significant resin savings and ensuring a close fit and faster install. **AquaCure RP, PS and PW** fiberglass-reinforced liners provide physical and mechanical properties that meet or exceed ASTM and NSF 61 testing standards. Additionally, traditional felt liners come in a variety of coating options for polyurethane, polypropylene or polyethylene. **276-656-1904; www.appliedfelts.com; Booth 2902.**



Atlas Copco ZB 5-6 VSD+

ZB 5-6 VSD+ blowers from **Atlas Copco** help drastically reduce the electricity bill by implementing two important principles — maintaining the air-intake temperature to a minimum and ensuring minimal resistance to the air passing through each component. The big advantage of using magnetic bearing turbo technology is that no air is used from the system to operate the machine, making the machine independent from downstream conditions. The magnetic bearing design is a very strong, efficient technology that ensures safe, continuous operation, no matter the conditions. **866-546-3588; www.atlascopco.com; Booth 2816.**



BDP Industries rotary drum thickener

The rotary drum thickener from **BDP Industries** has a long track record as a preferred way to thicken at water and wastewater treatment facilities. From the first drum in 1978, the company has been improving and refining the construction and performance of the product line. Internally baffled thickening zones lead to higher solids capture and higher throughput capability, all with reduced polymer usage. A full stainless steel construction with all bearings located outside of the enclosure makes operations and maintenance activities simple and easy. **518-796-1440; www.bdpindustries.com; Booth 4434.**



Blue-White Industries ProSeries-M MS-6 chemical feed flowmeter

The **ProSeries-M MS-6** chemical feed flowmeter from **Blue-White Industries** accurately measures output from a chemical metering and dosing pump. The design provides a wide flow range from 0.158 to 158.5 gph and has a low-pressure drop of less than 1 psi. The sensor can handle harsh and corrosive chemicals with wetted components constructed out of polyvinylidene difluoride and polyether ether ketone. In-line pipe fittings allow quick and easy installation. **714-893-8529; www.blue-white.com; Booth 3425.**



Boerger BLUEline Rotary Lobe Pump

Boerger BLUEline Rotary Lobe Pumps are a self-priming, valveless, positive displacement pumps used for the conveyance of viscous and abrasive materials. They are resistant to wear and provide pulsation-free operation. Operation is fully reversible, they have dry run capability and flow rates up to an impressive 7,500 gpm. They are constructed with a maintenance-in-place design, allowing for all wetted parts to be easily replaced through the front cover without the removal of pipe or drive systems. The pump is suitable for difficult applications including biosolids, grease, sewage, scum, lime slurry, alum sludge, permeate and polymers. **612-435-7300; www.boerger.com; Booth 1014.**



Bright Technologies, Division of Sebright Products Inc., belt filter press

Bright Technologies, Division of Sebright Products Inc., offers belt filter presses that provide high performance in a compact, high-value package. Complete belt filter press dewatering systems are skid or trailer mounted. The company designs and manufactures the skid equipment package for high throughput, low maintenance, superior cake solids and ease of operation. **800-253-0532; www.brightbeltpress.com; Booth 959.**



CCI Pipeline Systems WrapidSeal Manhole Encapsulation System

The **WrapidSeal Manhole Encapsulation System** from **CCI Pipeline Systems** consists of an engineered primer and a wraparound heat-shrinkable sleeve designed specifically to seal joints and prevent groundwater from entering a collections system. It is supplied in bulk rolls and consists of a cross-linked polyolefin backing, coated with an aggressive heat-activated adhesive. It can be utilized on both new construction and for rehabilitation of existing manholes. The chimney section of the manhole is where it performs particularly well, due to its ability to conform, seal, accommodate movement and provide structural integrity. **800-867-2772; www.ccipipe.com; Booth 512.**



Centrisys/CNP CalPrex

CalPrex from **Centrisys/CNP** has a high rate of total phosphorus recovery from municipal biosolids. It alleviates more phosphorus-related issues and creates a greater quantity of fertilizer. In 2018, a pilot project demonstrated how efficiently it removed and recovered pre-digestion phosphorus at Nine Springs Treatment Plant in Madison, Wisconsin. The Water Research Foundation oversaw the project and had additional participation from 10 organizations that reviewed and confirmed the project results. The pilot resulted in an 89% soluble phosphorus reduction. The recovered phosphorus, as brushite, was harvested and dried on site for a fertilizer study funded by the U.S. Department of Agriculture. **262-654-6006; centrisys-cnp.com; Booths 7708, 7711.**



Cretex Specialty Products LSS Internal Manhole Chimney Seal

LSS Internal Manhole Chimney Seal from **Cretex Specialty Products** is a mechanical seal installed on the frame and grade ring sections of new or existing sanitary sewer manholes. During wet weather, clearwater inflow enters manholes through deteriorated and broken frame chimney joints in manholes. These seals eliminate and prevent manhole inflow, which has been proven to be a significant source of leakage in the collections system. It has a 50-year design life and is available in four widths, allowing complete chimney coverage of up to 24 vertical inches with a single seal. **800-345-3764; www.cretexseals.com; Booth 521.**



CUES QZIII

The **QZIII** lightweight, portable, high-definition wireless video inspection pole camera from **CUES** can be operated by one person using any tablet. It is designed to provide safe viewing in industrial or environmental areas with no man entry. Perform swift inspections and surveys of pipelines, wet wells, manholes, sewer treatment plants, steam generators, tanks, vessels and other areas that are difficult to reach. It can also be used to locate lateral services or to identify blockages at manholes, access ports or other entry points without entering the line or structure. **800-327-7791; www.cuesinc.com; Booth 612.**



(continued)



GET EMAIL
NEWS
ALERTS

MUNICIPAL
SEWER
WATER

Go to mswmag.com/alerts
and get started today!

Duke's Root Control

Duke's Root Control has sewer root control down to a science. Tree root infiltration is preventable, but without the proper maintenance steps, it will destroy a collections system. Duke's prevents sanitary sewer overflows before they cause major havoc to systems and communities. Using Razorooter II — a diquat-based herbicide registered by the EPA for controlling roots in sewer systems — Duke's guarantees to kill all the roots in every sewer treated and to eliminate mainline stoppages caused by live tree roots. **800-447-6687; www.dukes.com; Booth 2605.**



Eagle Microsystems VF-100 Dry Chemical Feeder

The **Eagle Microsystems VF-100 Dry Chemical Feeder** is constructed of stainless steel and uses a rugged direct drive to ensure optimum performance and durability in harsh chemical feed environments. It can be optimized for any dry feed application with options like dust collectors, wetting cones, solution tanks, flow-pacing control, extension hoppers and a wide range of feed rates. With no external gears, pulleys, chains, belts or lubrications required, the unit is user-friendly and low maintenance. **610-323-2250; www.eaglemicrosystems.com; Booth 1835.**



Enviro-Care SAVI GVS Multi-Rake Perforated Plate Screen

The **SAVI GVS Multi-Rake Perforated Plate Screen** from **Enviro-Care** is a unique multirake design where the bars have been replaced by a stainless steel perforated plate to achieve higher debris capture. Multiple wipers remove the debris from the perforated plate and transport the screened material to discharge. Independent testing has proven that perforated plate screens have higher capture rates, which can be as high as 85% depending on design. It can be mounted in traditional channels at 75 degrees, or at 90 degrees for deep, narrow channels and wet wells. The low-maintenance design makes it a suitable choice for remote locations. **815-636-8306; www.enviro-care.com; Booth 1417.**



Environetics Defender Cover System

The **Defender Cover System** from **Environetics** stops algae growth. Clear span aluminum frames are covered with a reinforced geomembrane that blocks 100% of UV light so algae can't grow. The filter tanks at the Eldorado Hills Wastewater Treatment Plant grew an enormous amount of algae, requiring constant cleaning and backwashing. Operations staff spent 6 hours a day, four days a week, cleaning algae from the filters. After installing the cover system, the algae stopped growing and the money saved paid for the cover system in less than two years. **815-838-8331; www.environeticsinc.com; Booth 1838.**



Envirosight Jetscan HD

The first-generation **Jetscan HD** video nozzle from **Envirosight** transformed sewer cleaning work, providing operators a simple way to assess pipe condition and document cleaning success. Now the nozzle is completely wireless and capable of streaming HD video footage straight to a tablet upon removal from a manhole via Wi-Fi or a USB connection. This second generation provides new features for greater ease-of-use and efficiency, including tool-free sleds, wireless charging and an app-based tab-



let interface, making it easy to view and annotate footage and then upload it to WinCan Web. It is affordable enough to put on every cleaning truck, yet captures valuable HD video with a self-leveling, illuminated camera. **866-936-8476; www.envirosight.com; Booth 2352.**

Flomatic Valves Automatic Control Valves

Automatic Control Valves from **Flomatic Valves** are in full compliance with the American Iron & Steel (AIS) provisions for affected Federal/State Revolving Fund projects. They are designed and built in compliance with AWWA C530 standards and their ductile iron bodies are NSF/ANSI 61 approved fusion boded epoxy coated. Valves are available in 1 1/4 through 36-inch sizes. **800-833-2040; www.flomatic.com; Booth 5252.**



Flottweg Separation Technology Xelletor Series

The key to the performance of the **Flottweg Separation Technology Xelletor Series** decanter centrifuge is inside, in the heart of the machine, where the rotor and scroll have a unique design. Consumption of polymer flocculant is significantly reduced because of an entirely new intake configuration. The results of numerous tests indicate that it can increase throughput by up to 15%, reduce the volume of biosolids by as much as 10% and save up to 20% in energy and polymer consumption. **859-448-2300; www.flottweg.com; Booth 3622.**



Force Flow Drumm-Scale

The **Drumm-Scale** from **Force Flow** is a simple and reliable way to accurately monitor the amount of polymer fed from a day tank, and it enables accurate compliance with government-required documentation of chemical use. It helps maximize solids yield with minimal polymer use. The low-profile Tuf-Coat steel platform permits easy on- and off-loading of tanks without the need to pit-mount the scale. The unit is available with any of the company's indicators, including the economical SOLO G2, the advanced multichannel Wizard 4000 and the rugged Century hydraulic dial. **800-893-6723; www.forceflowscales.com; Booth 2621.**



Franklin Miller DIMMINUTOR

The **DIMMINUTOR** from **Franklin Miller** provides automatic screening and grinding of liquid-borne solids with a straight-through open channel design. This unit reduces plastics, wood, vegetable matter, disposables and other oversized items to a fine particulate. It is designed for reliable operation and easy maintenance. With its cantilevered design, it needs no seals or bearings near the gritty channel floor. The unit's screen is stationary so it never wears against bottom grit. Each cutter is interchangeable and cutters can be removed or adjusted independently. The unit's seals and bearings are immersed in an oil bath for long life and low maintenance. **800-932-0599; www.franklinmiller.com; Booth 2602.**



What you learn on these pages can save your community **\$1,000s.** It's all yours for — **FREE.**

Each issue will show you new techniques, tips on building a stronger staff, money-saving deals and much more.

Don't miss an issue! MSWmag.com

Gardner Denver CycloBlower VHX

The **CycloBlower VHX** from **Gardner Denver** offers pressures up to 20 psi and flows up to 750 cfm. Its design integrates a variable-helix pitch to its screw design, increasing efficiency by generating faster internal compression. This allows the achievement of energy savings up to 35% when compared to comparable-sized blower technologies. **866-428-4890; www.gardnerdenver.com; Booth 2048.**



Gorman-Rupp Integrinex Advanced

Gorman-Rupp's Integrinex Advanced lift station controls are custom-engineered to meet unique system requirements. Now, when equipped with FloSmart technology, the control system can detect a pump obstruction and run a cleaning cycle until the debris clears. Upon detection, the device initiates a cleaning operation without interfering with the operation of the pump station. When the cycle is complete, the pump is ready to return to normal operation. If the clog remains, the cleaning sequence repeats until the blockage is cleared. FloSmart helps maximize uptime while reducing maintenance costs. **419-755-1011; www.grpumps.com; Booth 1231.**



Hach Claros Water Intelligence System

The **Claros Water Intelligence System** from **Hach** helps plant operators deal with changing regulations, unpredictable influent levels and instrument downtime. Without a clear picture of their water or data, operators face uncertainty about efficiency and compliance. Imagine the timesavings, cost reductions and peace of mind that a complete "water intelligence system" could provide. This system focuses on instrument, data and process management to help reduce uncertainty and increase operational confidence. **800-227-4224; www.hach.com/claros; Booth 1408.**



Industrial & Environmental Concepts Clarifier Launder Cover

Clarifier Launder Covers from **Industrial & Environmental Concepts** are custom designed to work on most tank launders. They are designed to be economical and give operators access to the launder channel, and include a tensioning system that provides versatility to tank imperfections. The design is effective in keeping sunlight out and controlling algae. They also keep airborne debris such as leaves and dust from entering the channel. They can help reduce daily clarifier cleaning requirements. **952-829-0731; www.ieccovers.com; Booth 5448.**



JDV Equipment Nozzle Mix System

The dual-zone **Nozzle Mix System** from **JDV Equipment** provides uniform mixing patterns that produce even distribution and a stable environment. It optimizes solids suspension and contact to promote efficiency in a wide range of applications. The system is designed with pumps installed outside the tanks and are typically chopper pumps or pumps incorporating in-line grinders. The high-velocity nozzles mounted inside the tank completely mix the tank contents. Applications include anaerobic digestion, biosolids storage, blending tanks, excess flow tanks, septage or leachate, anoxic zones, combined sewer overflow handling,



aerobic digestion, secondary treatment, and biosolids holding ponds. **973-366-6556; www.jdvequipment.com; Booth 3840.**

Keller America Acculevel

The **Acculevel** from **Keller America** carries NSF 61 and 37 approvals for use in drinking-water applications. It provides 0.25% standard or 0.1% optional total error band accuracy, custom ranges up to 900 feet of water, custom cable lengths, dual outputs (one analog and one digital) and guaranteed lightning protection on 4-20mA models. It is manufactured in the U.S. with a typical lead time of three business days or less. **877-253-5537; www.kelleramerica.com; Booth 8306.**



Komline-Sanderson Biosolids Drying System

Biosolids Drying Systems from **Komline-Sanderson** are capable of handling in excess of 1,000 tons of wet cake per day. Excess heat from combustion engines or turbines can be used to heat thermal fluid or produce steam. The dryer's shaft, hollow paddles and trough are all heated. The robust design and low speed with minimal rotating parts result in reduced maintenance costs. Indirect drying using the airtight dryer results in minimal off-gas volume, which allows simplified odor control systems and safe operation resulting in reduced disposal costs for the beneficial reuse of biosolids as fertilizer and green fuel. **800-225-5457; www.komline.com; Booth 2231.**



Lovibond Tintometer PTV Series process turbidimeters

The **PTV Series** from **Lovibond Tintometer** is optimized for monitoring turbidity of filter effluent in a regulatory environment. The instruments focus on simplifying an operators' workflow without reducing accuracy. The user interface eliminates the need for a traditional controller and delivers meaningful data directly to the operators. The bubble exclusion system delivers ultrastable measurements without creating a receptacle for catching sediment. Without using desiccants, the optical design has eliminated the chance for condensation. With an optimal flow rate of 40 to 120 mL per minute, over 1 million gallons of water is saved over the life of the instrument. **941-756-6410; www.lovibond.com; Booth 5212.**



MaxLiner USA felt liners

MaxLiner USA's felt liners are specifically developed for optimal results in a variety of applications and pipe configurations. Max FLEX 4D provides ease of inversion and a close fit in 4- to 6-inch transitions (while maintaining a thickness of 3 mm) and a specifically designed stitched seam and taped seam is capable of negotiating bends up to 90 degrees with minimal wrinkling. It is a nonwoven needle-punched polyethylene felt liner with an impermeable polyurethane coating. Max CalTube - HF is an ultraflexible calibration tube joined by a high-frequency welded overlap seam that, once pressurized inside the liner, inverts and presses tight against the host pipe during installation and cure. **877-426-5948; www.maxlinerusa.com; Booth 2902.**



Myron L Co. 900 Series Monitor/Controller

The **900 Series Monitor/Controller** from **Myron L Co.** combines flexibility, accuracy and reliability. Its 3.5-inch, resistive, touch-screen and intu-

(continued)

itive graphical user interface make it simple to use. Measurement capabilities include conductivity, resistivity, salinity, TDS, pH, ORP, temperature, mV, flow, and % Rejection. It includes a 4-20 mA input and a variety of outputs, including 0-10 volt DC recorder output, relay output, alarm output, and optional outputs for 4-20 mA, RS-485, two additional relays, and an additional alarm output. **760-438-2021; www.myronl.com; Booth 8327.**



Penn Valley Pump Double Disc Pumps

A noncaptive, free-disc design in **Penn Valley Pump's Double Disc Pumps** minimizes friction, reduces repairs and makes clogs almost nonexistent. The sealless, oilless and glandless pumps mean less wear for longer life. They combine the performance features of a positive displacement pump and the principle of induced flow to provide superior versatility in fluids handling. The pump uses a principle of operation where the discs perform the duties of both diaphragm and valve, providing a double-acting, nonclogging pumping action. The pumps handle viscous and abrasive materials, run dry without damage and can be maintained in place. **215-343-8750; www.pennvalleypump.com; Booth 4631.**



REXA Electraulic Actuators

REXA Electraulic Actuators are custom-designed to eliminate problems related to controlling valve and gate applications. They offer superior modulating control for prolonged periods of time without needing maintenance, reducing cost of ownership significantly. With no design limitations and customized solutions, they can help handle your most demanding applications in the worst environments. Free up your valuable time, effort and capital with a retrofit of those valve or gate applications that continuously require attention. **508-584-1199; www.rexa.com; Booth 4137.**



Robuschi USA Robox Screw blower package

The **Robuschi USA Robox Screw** blower package offers pressures up to 36 psi and flows up to 5,625 cfm. The efficient rotary screw blower offers energy savings of up to 30% when compared to previous blower technologies. The package offers the widest efficient turndown capability in flow to save energy. All enclosed packages come standard with the AirSmart G2 controller. This offers 24-hour monitoring and provides flexible data output via Ethernet or RS232 port. **866-428-4890; www.gardnerdenver.com; Booth 2048.**



Schwing Bioset Struvite and Phosphorus Recovery Technology

At plants utilizing anaerobic digestion, struvite commonly forms and creates issues with pipes clogging and equipment being damaged as a result of scaling. Tanks also accumulate struvite, which require periodic removal and additional expenses. **Schwing Bioset's** nutrient-removal system recovers orthophosphate and ammonia nitrogen from wastewater while offering benefits to the treatment plant. This controlled struvite formation significantly reduces phosphorus loads within the plant and also prevents unwanted scaling and accumulations while creating a valuable end product. The phosphorus forms struvite that can be marketed/sold for benefi-



cial reuse, thus keeping excess phosphorus out of the local waterways. **715-247-3433; www.schwingbioset.com; Booth 2307.**

SmartCover Systems SubSonic

The **SubSonic** dual sensor suite of wastewater technology solutions from **SmartCover Systems** combines the accuracy of ultrasonic with the expanse of a pressure sensor providing "full dynamic range" of manholes, from the bottom of the channel to the cover. Water level patterns are detected from the outset and continue beyond when the ultrasonic sensor becomes submerged. The sealed submersion sensor is virtually maintenance-free, issuing alarms to triage manholes approaching overflow levels to prevent costly SSOs. No confined entry required, which is advantageous when monitoring I&I during heavy rainfall, and Iridium satellite communications makes it impervious to cell outages. **760-291-1980; www.smartcoversystems.com; Booth 2204.**



SUEZ Water Technologies & Solutions LEAPmbr

The **LEAPmbr** membrane bioreactor from **SUEZ Water Technologies & Solutions** uses a ZeeWeed membrane while incorporating significant innovations to meet your wastewater treatment challenges. The ZeeWeed membrane is tested to boost productivity 15%, while the unit's flexible design reduces the membrane bioreactor footprint by 20%, saving on construction costs. It simplifies the design by reducing membrane aeration equipment and controls by 50% and helps reduce operating costs with a 30% energy savings. **866-439-2837; www.suezwatertechnologies.com; Booth 2302.**



Sulzer Pumps Solutions HST turbocompressor

The **HST turbocompressor** from **Sulzer Pumps Solutions** has an advanced design with digitally controlled magnetic bearing technology and an efficient high-speed motor driven through a built-in frequency converter. It has no mechanical wearing parts or lubricants requiring minimal maintenance. This is made possible by an electronically controlled magnetic bearing technology, which levitates the integrated rotor/shaft/impeller single-piece assembly along the self-diagnostic features of the active magnetic bearing controller. The result is a compressor with no performance deterioration over time and no need for scheduled maintenance. They are widely used in wastewater treatment plants and in low-pressure industrial processes. **203-238-2700; www.sulzer.com; Booth 2012.**



Superior Signal smoke generators

Smoke generators from **Superior Signal** provide the most cost-effective method to find sources of surface inflow causing wet-weather sanitary sewer overflows. Classic Smoke Candles, Smoke Fluid Systems and Smoke Blowers are engineered specifically for smoke testing. Smoke Candles generate the most visible smoke to detect more faults at a longer distance available in sizes to meet any need, from 30 to 500,000 cubic feet. Smoke Fluid Systems have an insulated heating chamber with an injector to maximize dry smoke output producing quality, liquid-based smoke. **800-945-8378; www.superiorsignal.com; Booth 2631.**



Vac-Con Recycler

The **Vac-Con Recycler** is built from the Vac-Con combination machine integrated with a recycling system. The recycling components include a two-stage water filtration system with stainless steel first stage filter for removal of large particulate. The second stage filter is self-cleaning, and features a high-pressure back-flush at 2,000 psi. It offers water flows of 50 to 80 gpm. Water pressure can be activated or deactivated regardless of system RPM due to a hydraulic control located at the control panel. During recycling, water is used from the debris tank directly and does not enter the freshwater system. The debris tank is offered in an 11-, 12- or 16-yard option. Freshwater capacity is offered up to 1,000 gallons. **904-284-4200; www.vac-con.com; Booth 5126.**



Vaughan Chopper Pumps

Vaughan Chopper Pumps deliver performance in the toughest applications. With flushable wipes clogging sewer systems across the country, the pumps easily handle difficult solids like disposable pads, wipes, duster cloths and diapers. The Conditioning Pump and self-priming Chopper Pump can help keep the water moving. **888-249-2467; www.chopperpumps.com; Booth 1017.**



VEGA Americas VEGAPULS WL S 61

The **VEGAPULS WL S 61** from **VEGA Americas** is a suitable sensor for level measurement in water processing, in pump stations and overflow basins. Its flood-proof IP68 housing ensures a maintenance-free continuous operation. It includes integrated Bluetooth for wireless communication via smartphone, tablet or personal computer. Live demonstrations will showcase just how flexible the company's radar sensors are, including a weir demonstration, common in combined sewer overflows. **800-367-5383; www.vega.com; Booth 8543.**

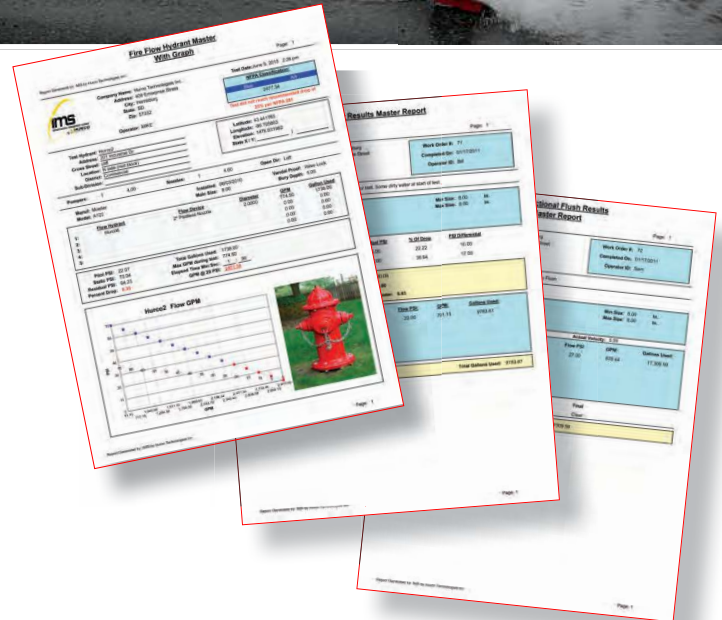


YSI, a Xylem brand, Alyza PO4

The **Alyza PO4** wet-chemistry analyzer for wastewater process monitoring and control from **YSI, a Xylem brand**, continuously measures orthophosphate, is available as a single or dual channel and features the MultiPort, a mixing valve that significantly reduces reagent consumption and maintenance requirements — lowering the overall cost of reliable data. **937-767-7241; www.ysi.com; Booth 1248. ♦**



HURCO
TECHNOLOGIES, INC.®



- The most accurate method available for flow testing activities – Utilizes UL certified testing equipment
- Displays real time pressure and flow calculations
- Detailed reports are automatically created
- Options available to suit small communities needing inventory options, to large cities needing GIS solutions

MUNICIPAL
SEWER
&
WATER

Go to **MSWmag.com**
to view these
products.

Come see us at the Show.
We love to hear from you.

HURCOTECH.COM
800-888-1436

Product Spotlight

QuickLok drum will speed up your CIPP install

By Craig Mandli

During a CIPP install, once the liner is wet-out, the technician typically needs to act quickly to get it installed before it cures. That means efficient installation equipment is crucial.

HammerHead Trenchless QuickLok inversion drums were created to improve upon the inversion drum design by adding timesaving features, including a QuickLok door system that locks down in seconds using a single lever instead of having to tighten multiple bolt-downs. The inversion drums also feature other timesavers like improved maneuverability and an economical drum nozzle system that uses fewer nozzles to cover the entire 2- to 8-inch installation range.

“The speed of that QuickLok door is really the key,” says Joe Walsh, technical services coordinator for HammerHead Trenchless. “When you are working with CIPP, you are literally on a stopwatch. Anywhere you can save time is critical.”

According to Walsh, drum design has not changed much since CIPP’s introduction. However, the QuickLok door system not only improves lock-down reliability, but also saves time. Instead of multiple bolt-downs, the technician just presses a simple lever to get a secure, positive latch every single time.

QuickLok inversion drums are lightweight, allowing users to easily maneuver the unit on the job site. They have a removable spindle wheel



that can be attached to either side of the drum and multipositional drum rotation to accommodate ever-changing job conditions. There are three window ports including windows on each side, allowing the user to see inside the inversion drum from any angle.

The unit’s lightweight, aluminum nozzles are specially coated to increase durability and reduce friction, an important benefit while inverting a liner. The nozzle system uses 45- and 90-degree adapters to cover that entire span of applications with just six nozzles. The adapters can also be used with existing nozzles from other systems.

The drum can handle ambient, hot water, steam and Bluelight LED-curing applications. A high-pressure rating of 25 psi provides confidence when inverting through long runs and difficult bends. According to Walsh, the feedback on the unit has been promising so far.

“Our contractors are ecstatic about this new drum,” he says. “They love the quick door system and the versatility of the system as a whole. Saving just that little bit of time has taken some of the stress away.” **800-331-6653; www.hammerheadtrenchless.com.**



Vac-Con Recycler truck-mounted combination machine

The Vac-Con Recycler’s recycling components include a two-stage water filtration system with a stainless steel first-stage filter for removal of large particulate. The second-stage filter is self-cleaning and features a high-pressure backflush at 2,000 psi. It has water flows of 50 to 80 gpm, and water pressure can be activated or deactivated regardless of system revolutions per minute, due to a hydraulic control located at the control panel. The recycling system operates with freshwater and recycled water. During recycling, water is used from the debris tank directly and does not enter the freshwater system. Freshwater and recycled water are completely separated and isolated from one another. **904-284-4200; www.vac-con.com.**

Water Cannon Inc. wet sandblasting kit

The wet sandblasting kit from Water Cannon Inc. - MWBE is designed to remove unwanted surface contamination such as rust, scale, loose paint, barnacles and debris. The sand and high-pressure water work together using venturi siphon technology to more safely clean metals, concrete and other similar surfaces. The kit quick-connects to the end of a commercial pressure washer wand and works on 3,000 to 6,000 psi systems. It automatically draws sand through a 26-foot, reinforced, lightweight feed hose using an engineered self-venting pickup tube. The venturi siphon technology eliminates the need for an air-feed system or other heavy and bulky equipment. **800-333-9274; www.watercannon.com.**



CLAMP DOWN ON INVENTORY COSTS!

That's right! The Quick Cam® Rapid Seal Repair Clamp features a double range body, allowing a substantial reduction in inventory. No need for extra on-hand sizes for repairing breaks, holes and splits in water and sewer piping.

But that's not all. Check out these features:

- ✓ High Performance = Bigger Safety Factor
- ✓ Slide On - Slide Off Lugs = Low Profile Under Pipe
- ✓ Stainless or Ductile Lugs = Your Choice
- ✓ Rapid Seal = Faster Stop of Leak and Easier to Install

Contact us for complete information.
Email sales@tps.us or phone 716-372-0160.



M A N H O L E S A F E T Y G R A T E

HP

HALLIDAY PRODUCTS

NEW

PORTABLE PROTECTION FALL-THRU PREVENTION SYSTEM

Halliday Products is now the exclusive USA manufacturer of the New Portable Manhole Safety Gate, designed by Mass Products.



Easily installed, just fold and move to where you need it.



Hinged opening provides easy access to manholes.



Slot and nylon roller for hoses and camera cables.



**safety
grates**
BY MASS

For More Information Call 1-800-298-1027

www.HallidayProducts.com • Email: Sales@HallidayProducts.com

weftec 2019
Booth 648

**Protect Camera Lines,
Jetter Hose, and CIPP Liners
With The MPR 100.**



Leading the industry in edge protection

H2TR www.H2TR.com
(517) 204-2121
Made in the U.S.A.

PR10 ACLM

Acrylamide for sewer main line and lateral grouting

Advantages

- Can be injected with remote packer equipment
- Thin as water (deeply penetrates cracks & soils)
- Will not undergo syneresis
- Reaction times adjustable (seconds to hours)
- Greater longevity compared to silicates
- Available in granular or liquid form
- No suspended solids
- 362 year half-life (Source: Dept. of Energy)
- Refined additives available

See primeresins.com/PR10aclm for more information.



60 YEAR WARRANTY

In situ. See Prime Resins for details.

37+ years of injecting life into infrastructure



primeresins.com 1.800.321.7212



The KWMI Easement Machine is an all-terrain rubber tracked power carrier designed specifically for the pumper-cleaner industry.

With the KWMI Easement machine you will have unparalleled access to manholes in **WETLAND AREAS, WOODED AREAS, NARROW ALLEYS**, practically anywhere.

The KWMI Easement Machine is built rugged in construction and is easy to operate.

800-503-0076
www.kwmiequipment.com

SubSurface Instruments

NEED TO LOCATE BURIED PVC?



AMLPRO SERIES

- Microprocessor Intelligence
- GPS Plotting & Tracking
- Noise Isolating Headphones
- Patented Technology

PL-1500 & PL-2000 PIPE & CABLE LOCATORS

- Underground pipe & cable locators
- Available in single frequency and multi frequency
- Lightweight receivers w/ easy-to-read LCDs

www.ssilocators.com

PROUDLY MADE IN THE USA

Now That's Smokin'!

Tests up to 7500 cubic feet of pipe per minute

Turbo Fog MH75

- Easy • Cost Effective • Compact •



1.800.394.0678 www.turbo-fog.com

Green Bison heavy duty degreaser

Superb product for grease control in collection systems. Emulsifies grease, improves high pressure cleaning performance. Highly recommended for cleaning/degreasing of tools, equipment and machinery. With Green Bison you do not have to trade efficiency for safety. Green Bison is a certified environmentally responsible product that utilizes natural and bio based ingredients, delivers industrial strength cleaning power while keeping your cost down.

Call us today **866-366-0587**



This product meets the Green Seal™ standard for cleaning/degreasing agents based on its reduced hazard to humans, reduced aquatic impacts, reduced smog production, and low ozone depletion potential.



safetechemical.com



CONFINED SPACE ENTRY PACKAGE
ONLY **\$3,195**

The Best Package On The Market Includes:

- 4-Gas Air Monitor (3 Year Sensor Warranty)
- 7' Tripod
- 3-Way Fall Protection
- Work Winch
- Full Body Harness



Add a **Blower** with 15' of duct for only **\$350!**
Add a 5 Minute **Escape Respirator** for only **\$500!**

MTECH **800.362.0240**

www.mtechcompany.com



PATENT #US 8,273,162

IndustrialOdorControl.com

A Broad and Economical Range of Odor Control Solutions

- Manhole Odor Inserts
- Pollution Control Barrels
- Activated Carbon
- Lift Station Odor Control
- Septic Vent Filters
- Custom Solutions

Simple Solutions **DISTRIBUTING LLC**
866-NO-STINK (866-667-8465)
973-846-7817 IN NJ

Makers of the Wolverine Brand of Odor Control Solutions

MAINLINE MACHINE!



D-5 Key Features:

- Runs 5/8" or 3/4" Tri-Max Cable for added flexibility and longer life
- High density polyethylene drum and belt guard will not rust or dent
- Auto cable feed for ease of operation
- Heavy duty 1/2HP capacitor type motor produces more torque and plenty of power



800-833-1212

ElectricEel.com



It's your magazine. TELL YOUR STORY.

At *Municipal Sewer & Water*, we're looking for sewer and water departments with an interesting story to tell. If you'd like to share your story, send us a note at editor@mswmag.com.



RAP-O

MANHOLE COVER CUSHION

- Silences Noisy Manhole Covers
- Reduces Wear & Water Infiltration
- Soft, Pliable, Round Cord Impregnated with Asphalt
- Reusable



Environmental Chemical Corporation
800-262-0458
 EnvironmentalChemical.com



Thank You!

Hand-selected Wisconsin sausage and jerky delivered in a 20-qt. **RUGID** cooler.

\$199.99 Delivered

*Meaty-Delivery*TM

meaty-delivery.com
833-777-8443

GAS MONITOR SALE



Micro Clip XL Multi-Gas
 #MCXL-XWHM-Y-NA

Gas Alert Quattro
 #QT-XWHM-A-Y-NA

MRP
 MILWAUKEE RUBBER PRODUCTS **1.800.325.3730**
 www.MilwaukeeRubber.com



Over 30 years building quality equipment!

HotJetUSA

OUR MOST VERSATILE JETTER!
 FULLY LOADED! PRICE INCLUDES DELIVERY!*


WITH PAYMENTS AS LOW AS **\$565.00**

*\$2,995.00 SALE PRICE WITH 20% DOWN O.A.C.

35 HP Vanguard Engine • 10GPM @ 4,000 PSI
 Cleans 2-12" Drains with Hot OR Cold Water
*Delivery to lower 48 States Only - CALL FOR DETAILS

1-800-213-3272
 www.hotjetusa.com

Down time is expensive.
 HAVE A SPARE CABLE?



AFTERMARKET CONNECTORS • CABLES

OceanQuip LLC
ORCA TOUGH CABLES

504 738 7833 phone • 888 979 8195 fax
 ruth.hoth@oceanquipconnectors.com
 www.oceanquipconnectors.com

Let Us Build Your JETTER



Diesel Propane Gas

Hot or Cold

AMERICAN JETTER.COM
866-944-3569

Superior SMOKE

For SEWER TESTING

Superior Smoke Fluid Systems
 Smoke Candles • Smoke Blowers

MADE IN USA



Superior Smoke Testing
 The Most Cost Effective Method to Find Sources of Surface Inflow

SuperiorSignal.com/MSW

DYNAMIC REPAIRS

We Repair:

General Wire, Ratech, RIDGID, Hathorn Corp.
 Electric Eel, GatorCams, Vision Intruders and Vivax Inspection Cameras, Locators, Command Modules and Cables

New & Refurbished Inspection Equipment For Sale

Rental Equipment Available
 Daily & Weekly Rates

Ask About Our 48-Hr. Turn Around Time

INSPECTION CAMERAS ARE OUR ONLY BUSINESS!

973-478-0893

DYNAMIC REPAIRS
 40 Arnot St., Unit 20
 Lodi, NJ 07644
 dynamiccablerepairs@yahoo.com
 www.dynamicrepairs.biz

Soil Surgeon

Most Powerful Hydro-Excavating Tool On The Market



Fits All Truck Manufacture Designs

Quick Connects To 8" Or 6" Boom

Control Water Flow, Pressure & Power With The Truck's Controls

Can Cut Through All Soil Types

Model X1

Features Include:

- 6' Aluminum Tube
- Handles
- Water tips boring inward & outward
- Bumpers to protect tips & lines

Patent #6,484,422B1
949-363-1401
 www.soilsurgeoninc.com

RAT OUT YOUR ROOT PROBLEMS



- Uniquely designed to make short work of big sewer line headaches.
- Interchangeable heads.
- Use the chain rotor for major obstructions and the cable rotor for less aggressive problems.

3/8", 1/2", 1" nozzles come in kit form.

ROOTRAT NOZZLES
330.874.4300
 Patented • Made in USA • www.rootrat.net

DYE TRACERS

Solutions for:

- Infiltration
- Septic Systems
- Cross Connection
- Leaks and more...



BRIGHT DYES
 Division of Kingscote Chemicals

www.brightdyes.com • 1-800-394-0678

PEOPLE/AWARDS

Laura Christensen was hired as district administrator for the Fillmore County (Minnesota) Soil and Water Conservation District, whose areas of involvement include stormwater management.

The **Clermont County Soil and Water District**, the **Clermont Office of Environmental Quality** and the **U.S. Environmental Protection Agency Office of Research and Development** were named Government Stormwater Project of the Year at the 2019 Ohio Stormwater Conference. The project, funded by a U.S. Department of Agriculture Conservation Innovation Grant, involved the installation of an urban stormwater detention basin.

Misty's Dance Unlimited of Onalaska, Wisconsin, received a Soak It Up! Award from the La Crosse Urban Stormwater Group. Virtually no runoff from the business' 16,800-square-foot property goes to public storm drains or directly to the area's waterways. All water that falls on the building's roof flows into a simple piping system and then to one of three rain gardens. Proper grading moves rain and snowmelt from the parking lot to the same low gardens, where the runoff soaks through a special soil mixture to naturally filter out pollutants.

The **Martinsburg (West Virginia) Veterans Affairs Medical Center** received the Best Urban BMP in the Bay Award for Most Sustainable Facility by the Chesapeake Stormwater Network. The center was honored for its community outreach and staff-education efforts, as well as its innovative approach to incorporating stormwater management into the existing and proposed green space on campus.

The **Town of Collierville** received an Excellence in Stormwater Management Award from the Tennessee Municipal League.

The American Academy of Water Resources Engineers honored **Kay Whitlock**, vice president of Christopher B. Burke Engineering, with a Service to the Academy Award. She was honored for "her indelible contributions to the AAWRE, championing post-license board certification and advancing the practice in water resources engineering." Managing stormwater projects is among her responsibilities.

Hillsboro City Administrator **Larry Paine** received the 2019 Edgar P. Schowalter Award from Kansas Municipal Utilities, which is involved in stormwater management.

LEARNING OPPORTUNITIES

Oklahoma

The American Water Works Association is offering an Effective Utility Management seminar on Oct. 3-4 in Tulsa, Oklahoma. Visit www.awwa.org.

Webinars

The American Public Works Association is offering:

- Oct. 3 – Preparing for Implementation of Automated/Connected Vehicles.
- Nov. 21 – Facility Maintenance Efficiency Strategies.

Visit www.apwa.net. ♦

CALENDAR

Sept. 8-11

American Public Works Association Public Works Expo (PWX), Washington State Convention Center, Seattle. Visit www.apwa.net.

Sept. 9-11

National Rural Water Association WaterPro Conference, Nashville, Tennessee. Visit www.nrwa.org.

Sept. 21-25

Water Environment Federation Annual Technical Exhibition and Conference, McCormick Place, Chicago. Visit www.weftec.org.

Oct. 9-13

American Society of Civil Engineers Annual Conference, Miami. Visit www.asce.org.

Oct. 20-23

AWWA Water Infrastructure Conference & Exposition, Hyatt Regency at The Arch hotel, St. Louis. Visit www.awwa.org.

Nov. 3-7

American Water Resources Association Annual Water Resources Conference, Sheraton Hotel, Salt Lake City. Visit www.awra.org.

March 23-26

American Water Resources Association Geospatial Water Technology Conference, DoubleTree by Hilton, Austin, Texas. Visit www.awra.org.

April 14-17

Center for Watershed Protection National Watershed and Stormwater Conference, Renaissance Austin Hotel, Austin, Texas. Visit www.cwp.org.

May 19-22

American Public Works Association North American Snow Conference, Salt Palace Convention Center, Salt Lake City. Visit www.apwa.net.

July 12-15

American Society of Agricultural and Biological Engineers Annual International Meeting, CHI Health Center, Omaha, Nebraska. Visit www.asabe.org.

Municipal Sewer & Water invites your national, state or local association to post notices and news items in this column. Send contributions to editor@mswmag.com.

classifieds

see photos in color at www.mswmag.com

POSITIONS AVAILABLE

GapVax, Inc., a nationally recognized manufacturing business, is seeking a talented, highly motivated individual to fill a full-time Sales Position in the Midwest (Iowa based preferred) region. GapVax is the leading manufacturer of industrial and municipal vacuum units and hydroexcavation units in the United States. We provide the most reliable, comprehensive, and efficient mobile vacuum units in the industrial and municipal markets. Specifications of the position are listed on our website, www.gapvax.com, click on the Now Hiring link in the left hand column. Send resumes to or betty@gapvax.com or 575 Central Avenue, Johnstown, PA 15902. (MBM)

SERVICE/REPAIR

Dynamic Repairs - Inspection Camera Repairs: 48 hour turn-around time. General Wire, Ratch, RIDGID, Electric Eel Mfg., Gator Cams, Insight Vision, Vision Intruders. Quality service on all brands. **Rental equipment available.** For more info call Jack at 973-478-0893. Lodi, New Jersey. www.dynamicrepairs.biz (MBM)

TV INSPECTION

NEED TRACTION? We make aftermarket gritted/gripping pads for all chain-driven camera transporters. Custom fabrication secured to a high-quality, nickel-plated carbon-steel chain that doesn't stretch. Also have non-gritted pads, wheels, and tires for all different brands. Pad samples upon request. **Pipe Tool Specialties LLC:** Phone 888-390-6794; Fax 888-390-6670; Visit us online at pipetoolspecialties.com or email pts44221lc@gmail.com (MBM)

USED Envirosight ROVER Sewer Inspection Crawler: Overhauled with new parts and ready to run. Includes automatic cable reel, pan/tilt/zoom camera, steerable 6-wheel-drive tractor with various wheel sets, controls, and accessories. Call for pricing 973-252-6700. (MBM)

CAMERA OPERATORS, STOP SPINNING YOUR WHEELS IN GREASY PIPE! Aftermarket gritted polymer wheels, steel carbide wheels, gritted and treaded tracks, tow cables, kiel sticks and more. Fitting Aries, CUES, Envirosight, Ibak, Rausch, RST, Schwalm & IDTec. **ORDER TODAY** at www.TruGritTraction.com; info@trugrittraction.com; 407-537-0746 (MBM)

INDUSTRY PROFESSIONALS
JOIN US **SEPTEMBER 26**
FOR OUR **OPEN HOUSE**
JOHNSTOWN, PA

LIVE DEMOS • EDUCATION
VENDORS • NETWORKING
PRIZES • FOOD • FREE TO ATTEND!
REGISTER TODAY!!



Combo JetVacs • Recycle JetVacs • Hydro Excavators • Air Movers
Jettors • Skid Mounted Vac Units • Parts & Accessories

888-442-7829 Johnstown, PA

281-884-8658 La Porte, TX

www.gapvax.com

Functional FLEXIBILITY

Your day-to-day work changes.
Your equipment shouldn't have to.

VAC·CON RECYCLER



A true combination machine provides you with a choice depending on the job at hand. Vac • Con® combination machines are now available with an optional Water Recycling package to allow you more time, efficiency, and flexibility at the jobsite.



Join us this month to learn more about our machines!

PWX
PUBLIC WORKS EXPO

September 8-11, 2019
Seattle, WA

BOOTH #301

weftec
the water quality event™

September 23-25, 2019
Chicago, IL

BOOTH #5126

Find Your Dealer!

www.vac-con.com/dealer-search/



VAC·CON

Schedule Your Demo

904.284.4200