

MUNICIPAL

SEWER
&

WATER™

FOR SANITARY, STORM AND WATER SYSTEM MAINTENANCE PROFESSIONALS

September 2012

www.mswmag.com

TECHNOLOGY TEST DRIVE:
CUES DIGITAL UNIVERSAL CAMERA
PAGE 38

HUMAN SIDE: BRIDGING THE
COMMUNICATION GAP
PAGE 44

WATER: CONSERVATION AND
CAREFUL MANAGEMENT
PRESERVE SUPPLY
PAGE 28



A BETTER WAY FORWARD

Onondaga County, N.Y.,
turns to green infrastructure
improvements to alleviate CSOs

PAGE 10

Joanie Mahoney
County executive
Onondaga County, N.Y.

2012-2013
**BUYER'S
GUIDE**

PAGE 60

ROVER X™

1 The Power of One



ROVER X 130 crawler and RCX90 camera accessorized with various combinations of lift, carriage, auxiliary lamps and 12 available wheel sets.

One System Flexible Enough for Any Inspection.

Twelve wheel options—plus camera lift, carriage and lamp accessories—mean a single ROVER X™ crawler transforms in seconds to inspect any line six inches diameter and larger. Built on an expandable digital architecture, this system not only lets you perform side-scanning and laser-profiling, it adapts to support any capability you can think of ... even ones that haven't been invented yet.

One Workflow in the Palm of Your Hand.

ROVER X's versatile pendant lets you do everything, from maneuvering to recording digital video and images, logging and measuring observations, and generating reports. Network connectivity allows remote diagnostics and maintenance, as well as automatic firmware updates. (The latest update adds tools to measure defect size, flow capacity, and lateral angle, plus macro for one-button crawler return.)

maneuver

view/record

measure

report

link



Get the Full Story

Send your mailing address to rvx@envirosight.com



See ROVER X in action.
Scan or visit us at:
www.youtube.com/user/roverx

ENVIROSIGHT

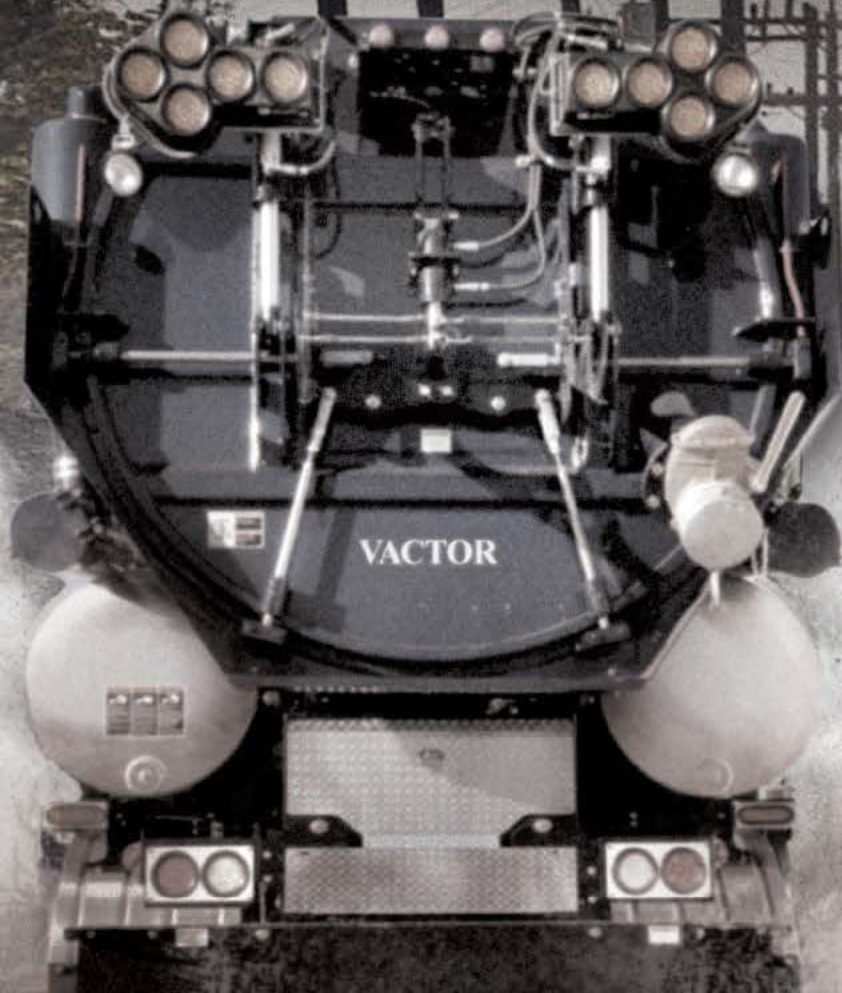
(866) 936-8476 • (973) 252-6700
www.envirosight.com



VeriSight Pro



QuickView



COME HELL OR HIGH WATER



Down in the trenches is no place to second-guess your equipment.

When you're being pushed to the limit, count on the sewer cleaner that never backs down — the Vactor® 2100 Plus. Redesigned to deliver even greater performance and fuel efficiency, this industry leader can handle anything the job demands. Again and again. Contact your Vactor dealer, call 800.627.3171 or visit vactor.com to discover how no one compares to the machine that won't quit.



INSIDE:

ANNUAL BUYER'S GUIDE/
STORMWATER MANAGEMENT



ON THE COVER:

Onondaga County executive Joanie Mahoney led the charge to use green infrastructure to control combined sewer overflows in her community. As a result, the county was able to dramatically reduce pollution in local water bodies with aesthetically pleasing improvements while saving money over the cost of building new treatment plants. (Photography by Amelia Beamish)



COMING IN OCTOBER 2012

Product Focus: Lift Stations and Conveyance

- ◆ Technology Test Drive: Exercise keeps valves healthy
- ◆ Sewer: Daphne, Ala., breaks out of "public works mentality"
- ◆ Storm: Aurora, Ill., solves stormwater issues
- ◆ Sewer: Marathon, Fla., wraps up major infrastructure upgrades

FEATURES

10 STORM: A Better Way Forward

Onondaga County, N.Y., uses green infrastructure to capture stormwater and avoid costly treatment in the sewer system.

By Lisa Balcerak

20 SEWER: Eyes on the Infrastructure

Proactive investigation and rehabilitation program helps a rural Northwest community remove I&I and reap financial rewards.

By Suzan Marie Chin

28 WATER: Waste Not, Want Not

Colorado community uses conservation and careful management methods to maximize the scarce precipitation feeding its water supply.

By Erik Gunn

38 TECHNOLOGY TEST DRIVE: The Future of Inspection Unfolds

CUES Digital Universal Camera is a major departure from traditional analog technology.

By Gil Longwell

60 BUYER'S GUIDE 2012-2013

COLUMNS

8 FROM THE EDITOR: Chaos and Control

There are no guarantees when your business revolves around the weather.

By Luke Laggis

44 THE HUMAN SIDE: Bridging the Communication Gap

Social media can help employees get the message — and spark engaging conversations.

By Ken Wysocky

48 NASSCO CORNER: Tackling the Issues

Survey reveals biggest challenges facing trenchless industry in the coming years.

By Ted DeBoda, P.E.

52 PRODUCT FOCUS: Stormwater Management

By Briana Jones

56 CASE STUDIES: Stormwater Management

By Scottie Dayton

104 INDUSTRY NEWS

106 PRODUCT NEWS

Product Spotlight: Software allows multiple parties to view pipe inspections remotely.

By Ed Wodalski

108 WORTH NOTING

People/Awards; Learning Opportunities; Calendar

SEPTEMBER 2012

MUNICIPAL
SEWER
&
WATER

Trenchless Pipe Repair Without Digging.



Training & Certification
24/7 Technical Support
Marketing Support



Join us for our

2012 Trenchless Tour

October 17th / Sacramento



No Territories!
No Franchise Fees!
No Licensing Fees!

Perma-Liner™ Industries, Inc. is a worldwide supplier of trenchless lining products.















We offer the **Perma-Lateral™** air inversion method which is a single access pipe relining system and the lateral **Pull-In-Place** system to rehabilitate existing building service laterals without the need of extensive digging and liability. Ambient, Hot Water or Steam cure is available. It is no longer necessary to reline a pipe from manhole to manhole in order to address one section of pipe with the Perma-Liner™ **Sectional Point Repair™** system - now offering Steam Cure! Perma-Liner's™ **InnerSeal™ Innerwrap™ Lateral Connection Seal** repairs the lateral/main sewer connection with a structural and watertight seal that exceeds ASTM standards with Steam cure for multiple installs in a single day. Manhole to Manhole lining is performed with the **Perma-Main™** continuous lining "Top Gun" with Steam for cure times less than one hour. Perma-Liner™ now offers *fast curing* silicates with our **Perma-Patch** kits.

Visit www.perma-liner.com
Call 1-866-336-2568

**PERMA-LINER™
INDUSTRIES, INC.**



ADVERTISER INDEX

3T Equipment Company Inc.	53
Advanced Aquatic Products International, Inc.	89
Advanced Drainage Systems, Inc.	7
Agru America, Inc.	9
 American Highway Products, Ltd.	77
American Shoring, Inc.	13
AP/M PERMAFORM, Inc.	67
Applied Felts, Inc.	23
 Aries Industries, Inc.	37
Avanti International	18
 Cam Spray	16
 Central Oklahoma Winnelson	18
 Chempace Corporation	85
Chempure Products Corp.	42
Cherne Industries, Inc.	49
CIPP Services, LLC	91
Cloverleaf Tool Co.	91, 99
 Cobra Technologies	54
Cretex Specialty Products	81
 CUES	16
Custom Holesaw Technologies Corp.	42
 Environmental Products & Accessories, LLC ...	79
 EnviroSight, LLC	2
 Enz USA, Inc.	36
 Epoxytec	63
Forbest Products Co.	58
Formadrain, Inc.	75
Gamajet Cleaning Systems, Inc.	83
 GapVax, Inc.	115
 General Pipe Cleaners/General Wire Spring ...	31
 Gorman-Rupp Company	27
GPM Pump & Truck Parts, LLC	57
Hach Flow Meter Products & Services	19
HammerHead Trenchless Equipment	17
 Hi-Vac Corporation	55
HOBAS Pipe USA	43
Infrastructure Repair Systems, Inc.	9
IPEX USA LLC	11
Jameson, LLC	95
Kinsella Media, LLC	58, 103
Komline-Sanderson	15
LADTECH, Inc.	65
Lee Supply Company, Inc.	46
Linko Data Systems, Inc.	41
 LMK Technologies, LLC	24
Mainline Backflow Products, Inc.	42
McGard	71
Mr. Manhole	34

 Municipal Sales, Inc.	107
Municipal Services, Inc.	97
 MyTana Mfg. Company, Inc.	24
 NAWT, Inc.	102
NEPTCO, Inc.	41
 NozzTeq, Inc.	93
 Pat's Pump & Blower, LLC	36
 Perma-Liner Industries, Inc.	5, 45, 95
Petersen Products Co.	89
PIPELOGIX PipeLogix, Inc.	34
Prospan Manufacturing Co., Inc.	16
 Prototek Corporation	45
Radiodetection	73
 RapidView IBAK North America	50
Ratech Electronics, Ltd.	46
Reline America, Inc.	33
RIDGID RIDGID	114
 RootX	35
 RS Technical Services, Inc.	42
 Safety Corporation of America	85
Sewer Equipment Co. of America	47
 Southland Tool Mfg. Inc.	51
Specialty Maintenance Products, Inc.	36
SpectraShield Liner Systems	93
Sto-Away Power Cranes, Inc.	97
 SubSurface Locators, Inc.	87
 T&T Tools, Inc.	102
The Strong Company, Inc.	29
Thern, Inc.	54
 USB - Sewer Equipment Corporation	87
 Vac-Con, Inc.	116
 Vactor Manufacturing	3, 50
Valve Boss	39
Vanair Manufacturing, Inc.	69
Vaporooter	25
CLASSIFIEDS	109
MARKETPLACE	110

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 2012, COLE Publishing Inc.
No 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 and Canada is free to qualified subscribers. A qualified subscriber is any individual or company in the United States or Canada that maintains, manages, designs or installs municipal or commercial sewer, water and storm infrastructures. 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 qualify, visit www.mswmag.com/order/subscription or call 800-257-7222.

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@colepublishing.com.

CLASSIFIED ADVERTISING: 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 reprints, call Jeff Lane at 800-257-7222 (715-546-3346) or email jeffl@colepublishing.com. To order back issues, call Nicole at 800-257-7222 (715-546-3346) or email nicolel@colepublishing.com.

CIRCULATION: 2011 average circulation was 38,931 copies per month (U.S. and international distribution).



PUMPER & CLEANER ENVIRONMENTAL EXPO INTERNATIONAL

www.pumpershow.com

Education Day: Feb. 25, 2013 ■ Exhibits Open: Feb. 26 - 28, 2013
Indiana Convention Center, Indianapolis, Indiana

SANITITE® HP REVOLUTIONARY DESIGN. ROCK SOLID PERFORMANCE.



SANITITE HP IS BECOMING THE PRODUCT OF CHOICE IN THE SANITARY SEWER MARKET.

- Breadth of diameters: 12" - 60"
- Pipe stiffness significantly exceeds 46 PSI
- 1000 hour joint performance test (ASTM 2764)
- Rugged durability – not brittle like traditional products
- Foolproof, from design to installation to final testing

Specify SaniTite HP on your next sanitary sewer project.

SaniTite® (HP)
HIGH PERFORMANCE



SEE WHAT EVERYONE
IS TALKING ABOUT AT
WWW.ADS-PIPE.COM



ADVANCED DRAINAGE SYSTEMS, INC.
800-821-6710 www.ads-pipe.com

Advanced Drainage Systems, SaniTite HP, and the green stripe are registered trademarks of Advanced Drainage Systems, Inc. ©2012 Advanced Drainage Systems, Inc. 08/12 MH



CHAOS AND CONTROL

There are no guarantees when your business revolves around the weather

This month's issue of *Municipal Sewer & Water* focuses on stormwater management. As we were putting together this issue, news broke of serious flooding and subsequent destruction in Duluth, Minn. Photographs revealed a city that looked like it had just suffered a massive earthquake. Streets were ripped open, bedrock hillsides became waterfalls, cars fell into deep chasms, and debris was everywhere.



PHOTOS COURTESY OF THE DULUTH NEWS TRIBUNE



FROM THE EDITOR

Luke Laggis

We profiled the Duluth stormwater utility in our October 2008 issue. At that time, the utility was making significant improvements to its system, but sadly, nothing could have prepared the city for the blow it was dealt in June. After a wet start to the month, a series of storms dumped up to 10 inches of rain on parts of the area in just 36 hours. Duluth received over 7 inches of rain in just 24 hours, setting an all-time record for the city. At one point, an escaped seal was swimming on Grand Avenue near the Lake Superior Zoo.

The cost of repairs to public property in the city alone was initially estimated at between \$50 million and \$80 million.

Duluth immediately went to work on a large volume of repair and reconstruction work that no long-range plan could have taken into account. But that's the way it goes for municipal utility managers. It would be a tough job even if all factors were controlled, but they're not. Sometimes you're forced to seek out new sources of water because precipitation doesn't measure up. Sometimes the skies open up and you get so much it destroys your infrastructure.

Duluth received over 7 inches of rain in just 24 hours, setting an all-time record for the city. At one point, an escaped seal was swimming on Grand Avenue near the Lake Superior Zoo.

Onondaga County, N.Y., featured in this issue, has had its own stormwater issues, but theirs is a much happier story. It is a story that casts light on the importance of well-planned infrastructure in making a community work for everyone.

The county is home to Onondaga Lake, once one of the most polluted lakes in the country. Years of combined sewer overflows

(CSOs) damaged water quality to the point where the lake was designated a Superfund site in 1994. Consent judgments required the county to reduce the frequency of CSOs by upgrading its wastewater treatment system within 15 years.

To comply, the county planned four new wastewater treatment plants along Onondaga Creek in the City of Syracuse, where the majority of the CSOs were taking place. The city council objected but ultimately lost the battle, and the Midland Avenue sewage treatment plant project was completed in early 2008.

Plans for the second treatment plant were nearly final when Joanie Mahoney took office as county executive that same year. Mahoney had

Heavy rains caused major flooding in and around Duluth, Minn., in late June. CLOCKWISE FROM TOP: Onlookers take in the scene of a car that fell into a huge sinkhole; Olney Street in West Duluth was one of many roads that suffered significant damage; A geyser of water bubbles 3 feet high from a storm sewer in downtown Duluth.

Sure is Fitting for the Environment!

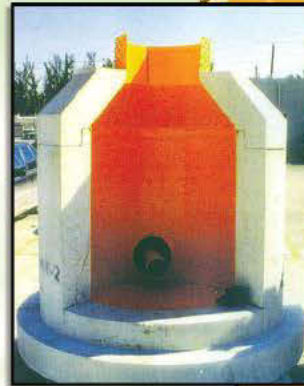


Pipe Fittings

- Cost effective
- Corrosion, biological, chemical resistant
- Electro and Heat fusion joining leak-proof system
- Lightweight and UV resistant
- Superior flow

Sure Grip®

- Long service life
- Economical installation
- Low maintenance
- UV and chemical resistance
- Wide temperature range
- Abrasion resistant
- High back-pressure resistance
- Available in HDPE, PP, PVDF, and ECTFE



Georgetown, SC and Fernley, NV

800-373-2478 • www.agruamerica.com

served on the city council and didn't believe new treatment plants were the best solution.

Mahoney's staff quickly assembled teams to explore green infrastructure alternatives. After a year of planning, and with the U.S. EPA's support, the county went back to the courts and gained approval for green infrastructure as a solution.

In the few years since, the county has incorporated permeable pavement, rooftop gardens, free rain barrels, an urban forestry program and a number of other innovative green features that have made a tremendous difference in its ability to control stormwater and protect local waterways. Altogether, these projects are keeping tens of millions of gallons of stormwater out of the county's sewer systems.

Today, thanks to a fresh perspective and openness to new technology and techniques, the county is one of the EPA's top 10 green communities.

There will always be circumstances you can't control, as the folks in Duluth are fully aware, but careful planning and a forward focus are the surest path to improved systems and a better future. The people of Onondaga County can attest to that.

I hope these stories can help you and your utilities along this path. 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.

TREATMENT PLANT OPERATOR

tpo Dedicated to Municipal Wastewater Professionals

Treatment Plant Operator™

Get your **FREE** subscription today at tpomag.com

INFRASTRUCTURE REPAIR SYSTEMS, INC.

Infrastructure Trenchless Point Repair System

Stops Leaks! Cost Effective!

Missing Piece of Pipe Repaired

- Trenchless Point Repair System
- 35,000 + Repairs In The Ground
- 100 Year Certification
- 1 Piece Sewn Felt & Fiberglass Liners
- No Creep - Ambient Cure Epoxy System
- A Permanent Spot Repair

Mainline Point Repair System

3" - 42" Pipe up to 15' • 4 Liner Weights

Lateral Point Repair System

- Tough Corrosion Resistant Epoxy
- Easy Application
- Trowel on for large and small jobs
- Bonds to damp and dry surfaces
- Infragard Top Coat or
- Chim Coat - Expands and Contracts

Infrastructure Repair Systems, Inc.
Ph: **877.327.4216** • irsi@irsi.net • www.irsi.net

Construction workers finish a section of concrete sidewalk on the south/in-progress side of East Water Street behind the New York State Office Building. (Photography by Amelia Beamish)



FOCUS: STORM

A BETTER WAY FORWARD

Onondaga County, N.Y., uses green infrastructure to capture stormwater and avoid costly treatment in the sewer system

By Lisa Balcerak

By reforming its entire stormwater management program and changing the way residents think about water resources, Onondaga County, N.Y., evolved from the home of one of the most polluted lakes in the nation to one of the U.S. EPA's top 10 green communities.

Beginning with a lawsuit issued by the state in 1988, the county underwent a series of consent judgments to reduce the frequency of combined sewer overflow events that released sanitary flow and stormwater into Harbor Brook and Onondaga Creek, ultimately reducing the water quality of local water bodies, including Onondaga Lake.

The lake became a Superfund site in 1994. In 1998, federal courts issued an amended consent judgment (ACJ) to Onondaga County to upgrade its wastewater treatment system within 15 years.

At the time, the county planned to satisfy the ACJ requirements by building more sewage treatment plants. A total of four treatment plants were scheduled along the Onondaga Creek in the City of Syracuse, where the majority of the combined sewer overflows were taking place. The Syracuse City Council fought the plan, filing lawsuits to prevent the county from demolishing homes in some lower-income neighborhoods. Ultimately the city council lost the battle and

the Midland Avenue sewage treatment plant project was completed in early 2008.

Switching to green solutions

In January 2008, just weeks before the finalization of plans for the second treatment plant, Joanie Mahoney took office as county executive for Onondaga County. Previously a city council member in Syracuse, Mahoney didn't believe sewage treatment plants were the best solution to reducing combined sewage overflows.

Mahoney asked contractors to hold their bids for 90 days so she could more thoroughly assess the situation. From previous experi-



PROFILE:
Onondaga County, N.Y.

POPULATION:
467,026 (145,000 served by the combined sewer system)

AREA SERVED:
806 square miles (10.625 square miles served by the combined sewer system)

ANNUAL RAINFALL:
39.34 inches

BUDGET:
\$400 million (\$78 million for green infrastructure) through 2018

WEBSITES:
www.savetherain.us and www.ongov.net

(continued)



TEMPEST™
INLET CONTROL DEVICES

Visit us at
**WEFTEC at
Booth# 1344**

NEXT GENERATION STORMWATER FLOW CONTROL



CONTROL BACK-UPS & CSO'S DURING PEAK FLOW EVENTS WITH TEMPEST™ INLET CONTROL DEVICES

TEMPEST LMF

The Tempest LMF system features a vortex inlet design that allows a low flow rate to be set and eliminates the passage of odors and floatables and allows for debris and sediment to collect in the structure.



TEMPEST HF

The standard Tempest HF system features allows a near constant discharge rate to be set and eliminates the passage of odors and floatables and allows for debris and sediment to collect in the structure.



TEMPEST MHF

The Tempest MHF is a standard orifice plate device designed to allow a specified flow volume through the outlet pipe at a specified head.



TEMPEST HF SUMP



The Tempest HF SUMP system is designed for catch basins & manholes in which there is no sump or the outlet pipe is too low to install standard Tempest device.

Request your
FREE
Conceptual
Design
today!

www.ipexinc.com

Toll Free: 1-800-463-9572



“We aren’t making short-term decisions about how to solve a problem for today. We are making more long-term decisions about solving issues for generations to come.”

Joanie Mahoney

ence with the Midland Avenue plant, she knew that green infrastructure provided very feasible options for improving stormwater management.

“I had an obligation to pursue a better way than just building another sewage treatment plant in downtown Syracuse,” Mahoney says. “The information we had in 2008 was much different than the information my predecessor had in 1988 when the consent order was first put together. They didn’t have all the choices we have today, but there was an unwillingness to see what new technologies existed and maybe adapt the plan along the way.”

The county went back to the federal court and asked for a one-year extension on the next milestone for the ACJ. The request was granted. Mahoney’s staff quickly assembled teams to explore green infrastructure, dusting off the research developed by a neighborhood group that had identified alternatives to the Midland Avenue plant. The National Resource Defense Council presented its Rooftops to Rivers initiative to the county, showing how other com-



Photo courtesy of Onondaga County

CONVENTION CENTER GREEN ROOF

The OnCenter Complex Convention Center has a 60,000-square-foot green roof system to capture more than 1 million gallons of water runoff annually. The roof has a waterproof membrane liner covered with a layer of lightweight growing medium, planted with a mix of low-growing succulent vegetation.

It is one of the largest green roof applications in the Northeast and one of the largest sustainable convention centers in the country. The convention center green roof project, led by contractor J&B Installations, cost \$1 million.

munities use green infrastructure as an alternative to treatment plants.

Mahoney sought locals who wanted to change the status quo in water treatment, such as the Onondaga Indian Nation. The group, which considers Onondaga Lake sacred ground, had previously been excluded from the decision-making process.

In addition, community groups joined the movement because they opposed the construction of new sewage treatment plants that would cause inconvenience during construction and be unsightly in the downtown area. Site preparations had already begun for the new

The Avery Avenue Pass Arboretum Project is one of many collaborations between Onondaga County and the City of Syracuse Parks Department. The project includes the installation of 11,000 square feet of rain gardens along the east side (Avery Ave.) of the park.



Photo courtesy of Onondaga County

treatment plant at Armory Square in Syracuse’s thriving downtown business district, stirring concern from residents.

“The construction fence was up, the sign was up, the site was being cleared and there were big pipes on site,” Mahoney says. “People saw that it was real that the county was going to build a treatment plant in downtown Syracuse. It wasn’t theoretical; it was real. It got more of the community’s attention.”

Once there was solid evidence that environmental alternatives would be more effective for meeting the ACJ requirements and less costly in the long term, even parties who once opposed Mahoney’s redirection efforts became allies, including city officials and the Atlantic States Legal Foundation, which filed the original lawsuit against the county for the sewage overflows.

Requesting an amendment

After a year of planning, the county had support from many groups, including the EPA. Onondaga County went back to the federal courts and asked that the ACJ be amended to include green infrastructure as a solution. As a sign of commitment to a green infrastructure plan, and to further persuade the court to agree to the amendment, the county suggested aggressively increasing the required capture rate — previously set as 87 percent capture by 2018 — to 95 percent.

“There was some hesitation from the court because there had been no precedent for them. There was no community we could point to and say they were successful,” Mahoney says. “It was a leap of faith by the federal court to agree to the green infrastructure. They did it because all the parties came

(continued)

Trench Shoring

- **Maximum safety while excavating**
- **Professional Engineer Certified to OSHA Regulations**
- **Site Specific engineering available**
- **Manufacturing done on premises**
- **Field service and support available**
- **Flexibility in design increases functionality**

From Design to Delivery we carry a complete line of heavy duty and light weight aluminum, steel and slide rail shoring with accessories for all trench digging requirements

**MADE
IN THE
USA**

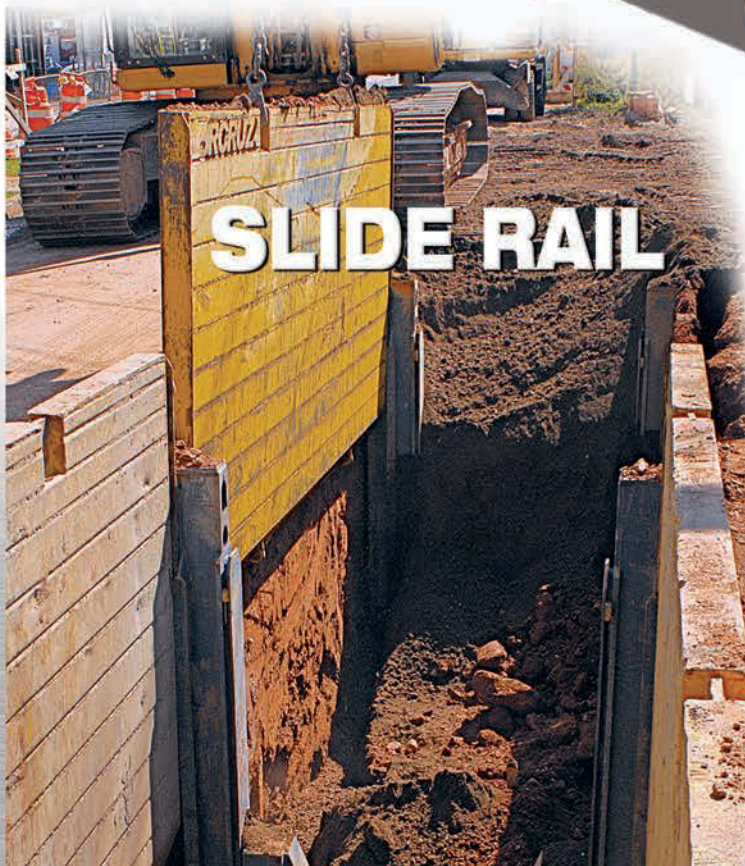


STEEL

ALUMINUM

**SALES
RENTALS
SERVICE
REPAIRS
TRADE-INS
RECERTIFICATION
OSHA
TRAINING CLASSES**

**MORE! See Our Entire Line!
Call for Catalogs!**



SLIDE RAIL



**AMERICAN
SHORING INC.**

207 LAKE STREET
NEWBURGH, NY 12550

1.800.407.4674
www.americanshoring.com

E-Mail us at
sales@americanshoring.com



ARENA RAINWATER REUSE PROJECT

The Onondaga County War Memorial Arena, home of the American Hockey League's Syracuse Crunch, uses an innovative system to collect and store water for ice production and maintenance. The arena's 44,000-square-foot roof captures up to 400,000 gallons of water per year in below-ground cisterns. Technologies are installed to filter, disinfect and reuse the water.

The Syracuse Crunch is the first professional hockey team in the country to play on ice made from rainwater. The project was completed in 2011 by contractor C.O. Falter at a total cost of \$1,229,251.

together to ask for the same thing.”

On Nov. 16, 2009, the court signed a revised ACJ, and Onondaga County became the first municipality in the nation with a consent order that would require green infrastructure as a solution.

Save the Rain

At the heart of Onondaga County's new stormwater treatment system is a program called Save the Rain, which kicked off in fall 2010. The program incorporates a green infrastructure initiative called Project 50, supported by a Green Improve-



County executive Joanie Mahoney, left, and deputy county executive Matt Millea tour the green features along East Water Street behind the New York State Office Building.

ment Fund, a rain barrel program and an urban forestry program.

Project 50 was established as a goal to approve 50 distinct green infrastructure projects that return rainwater and melted snow into the ground for natural filtration instead of unnecessary treatment in the sewer system. Projects are funded through public dollars and include green roofs, porous pavement, rain gardens, bioswales and cisterns. In 2011, the county exceeded its goal by green-lighting 60 green infrastructure projects. Those projects combined are expected to capture 43.6 million gallons of stormwater annually. Total investment for the 2011 projects is \$12.5 million.

One publicly lauded project is a green roof retrofitted on the convention center that captures more than a million gallons of water annually. A particularly innovative green infrastructure project involves a water reuse system on the local arena that collects and stores rainwater to make ice for a professional hockey team. Projects range in size from a porous sidewalk that captures 10,000 gallons annually to a green street project (using porous pavement and tree trenches) that captures more than 5.7 million gallons of water annually. There are green infrastructure projects in private and public areas includ-



The stretch of East Water Street between State Street and Montgomery Street in Syracuse, showing both finished (north) and unfinished (south) sides of the street.

ing schools, libraries, community centers, parks, museums, parking lots, golf courses, zoos and apartment buildings.

Green Improvement Fund

The Green Improvement Fund (GIF) is a grant incentive program for private landowners, sponsored by the county's Department of Water Environment Protection. The fund provides a financial incentive to property owners in the Clinton, Harbor Brook and Midland combined sewersheds to install green infrastructure projects such as tree trenches, planter boxes, porous pavement, bioswales, rain gardens, green roofs, green streetscapes and cisterns.

Property owners who submit

applications for the grant are chosen based on how many gallons of water their project will keep out of the sewage treatment system and the cost needed to complete the project. Projects that qualify for funding are those that provide the maximum benefit for the investment.

The GIF has proven to be one of the most innovative parts of Onondaga County's stormwater treatment programs.

“The public-private partnership [of the GIF] has attracted a lot of attention across the country because there is a real pressure on public dollars,” Mahoney says. “We are partnering with private people to keep the water out of the municipal system. The grant makes the public dollars go further.”

Rain barrel program

To get homeowners more involved, the county received a grant from the New York State Environmental Facilities Corporation to offer free rain barrels to citizens within the combined sewersheds of Syracuse. To receive a rain barrel, homeowners need to attend a workshop. So far, the county has distributed more than 600 free rain barrels for an estimated 2.1 million gallons of stormwater captured annually.

Urban Forestry Program

Tree plantings are an important part of the Save the Rain program because they absorb stormwater and reduce runoff. The Urban Forestry Program aims to plant up to 8,500 trees in Syracuse. The strategy has been to plant trees on properties where people want them first, to ensure the trees are maintained by committed homeowners.

Currently, the city has a higher demand for new tree plantings from interested citizens than it can fill. In 2011, the city planted 407 trees that will capture 814,000 gallons of stormwater annually. The city expects to plant another 1,000 trees throughout 2012, capturing another 2 million gallons of stormwater annually.

“We will all be better if people move to a more environmentally friendly strategy for managing stormwater runoff.”

Joanie Mahoney

Program success

With the many green infrastructure projects supported by Save the Rain, Onondaga County expects to satisfy the ACJ 2018 capture rate ahead of schedule. Within the first couple years of the program, the county has already achieved 50 percent of its capture requirements.

Success, however, will be a double-edged sword for the county because once the ACJ order is satisfied, the lake will no longer be a Superfund site and public funding will be cut.

There are many other benefits to the Save the Rain project beyond meeting the ACJ mandate. The county is avoiding all the energy costs of unnecessarily pumping and treating stormwater like sewage. For Onondaga County, using green infrastructure is estimated to save \$20 million over the lifetime of the projects compared to the lifetime costs of building and operating sewage treatment plants.

In addition, downtown Syracuse has seen a beautification from the green infrastructure projects. In 2011, Syracuse opened the Onondaga Creekwalk, a landscaped walking trail along the creek. Such a space wouldn't have been possible if the three additional treatment plants had been built along the creek.

By going back to a more natural way of handling stormwater, the community has changed the way it thinks about its future civic planning.

“There has been a mind shift from getting rid of water and treating it, to keeping it and using it,” Mahoney says. “The Onondaga Indian Nation has a mantra that they make decisions in the best interest of people living seven generations from now. People have embraced that around here. We aren't making short-term decisions about how to solve a

problem for today. We are making more long-term decisions about solving issues for generations to come.”

In April 2012, the EPA awarded Onondaga County as one of the top green communities in the nation. Mahoney has taken that recognition seriously and wants to be a role model for other communities. By sharing details about the Save the Rain projects on its website, www.savetherain.us, Onondaga County hopes to help pave the way for other municipalities to adopt green infrastructure.

“We will all be better if people move to a more environmentally friendly strategy for managing stormwater runoff,” Mahoney says. “It's better for people who live here and better for taxpayers. There's a knowledge about stormwater that didn't exist five years ago. People want to be more environmentally friendly. People stop me in the grocery store to talk about rain barrels and green roofs. It's been a great experience for the whole community.” ♦

Wastewater Treatment and Sludge Management Solutions from Komline-Sanderson

Pump. Thicken. Dewater. Dry.

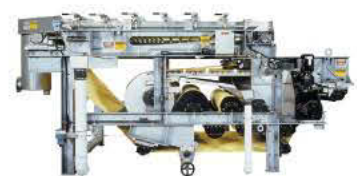
Komline-Sanderson designs and manufactures innovative solutions to wastewater treatment and sludge management problems facing industrial plants and municipal wastewater treatment facilities. K-S is a leading global supplier of equipment and systems for clarification and sludge processing.



Biosolids Dryer



Belt Filter Press



Vacuum Filters



Gravity Belt Thickener



Dissolved Air Flotation



Plunger Pump



call: **1 800 225 5457**
web: **www.komline.com**



Komline-Sanderson



DUC

DIGITAL UNIVERSAL CAMERA

IMPROVE THE OPERATIONAL, ENVIRONMENTAL, AND FINANCIAL PERFORMANCE OF YOUR WASTEWATER SYSTEM TODAY!

The CUES Digital Universal Camera (DUC) is a semi-autonomous, high resolution, digital CCTV, side-scanning camera designed for rapid and detailed condition assessment of your wastewater system. When used in conjunction with CUES asset-based Granite XP decision support software, you can inspect and assess 5000 feet or more per day, increasing your revenue, while reducing your expenses. The system can be retrofitted to any industry standard multi-conductor truck or trailer-mounted system.

- The CUES Digital Universal Camera system produces a continuous scan of internal pipe conditions in 6"-60" pipe.
- The Digital Universal Camera operates at a constant speed in 6"-60" pipe without the need to stop or pan and tilt.
- Simply drive the unit on cruise control to the remote manhole or through multiple manholes for maximum efficiency.
- Rapid condition assessment via flat representation of the pipe; move the mouse to the area of interest, simply click, and the corresponding video appears; review and assign observations 5-10 times faster than traditional sequential video review.



The D.U.C. will outperform any autonomous robotic system. Call your CUES representative today!



"The Standard of the Industry"



www.cuesinc.com

800.327.7791

salesinfo@cuesinc.com

PROSPAN

www.prospanshoring.com

"The most advanced shoring product on the market..."



- ✓ Simple to Use
- ✓ OSHA Compliant
- ✓ Lightweight
- ✓ Maintenance Free

info@prospanshoring.com

(888) 413-8100

Keep It Flowing!

- Reliable Products
- Excellent Delivery
- Incredible Support
- Personal Service

- Drain Jetting Equipment
- Hot and Cold Pressure Washers
- Custom Cleaning Equipment
- Water Pumps and Misting Systems

CAM Spray
Working well under pressure

520 Brooks Road 800-648-5011
Iowa Falls, IA 50126 www.CamSpray.com

Announcing: HammerHead® lowers cost of renting equipment for your job.



When you rent bursting and ramming equipment, the cost of freight to your jobsite can be a large expense of the equipment rental. Now, HammerHead announces a series of new rental locations throughout North America putting the equipment you need closer to your job site. Reduce the freight...reduce your cost of renting!

CALL US FOR A QUOTE TODAY. PREPARE TO BE IMPRESSED.

PH: 800.331.6653 (USA ONLY) | 262.567.8833 | INFO@HAMMERHEADMOLE.COM | WWW.HAMMERHEADTRENCHLESS.COM

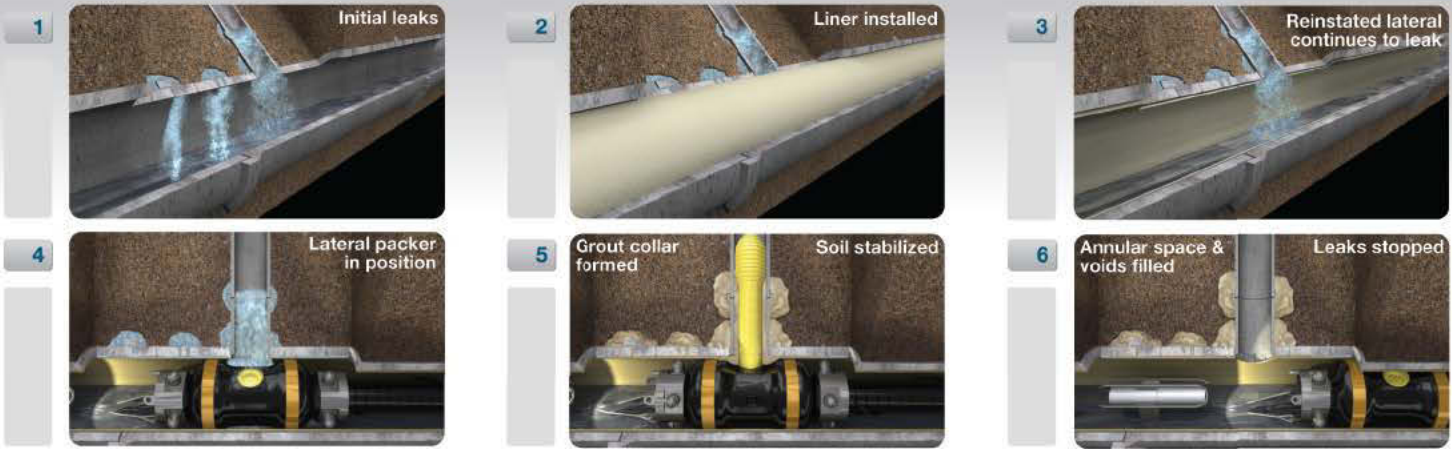


TOUGH. TRUSTED.



AVANTI

AvantiGrout stops leaks. Permanently.



Use **AvantiGrout** in conjunction with lining a sewer, because lining alone **WON'T** stop infiltration.

www.AvantiGrout.com

800.877.2570

sales@avantigrout.com

YOUR SOURCE FOR RIDGID



CENTRAL OKLAHOMA

Winnelson

COMPANY

8% ONE YEAR FINANCING AVAILABLE!
Longer lease rates also available. Call Keith for details.

BUYING A SEESNAKE?

**CALL US FOR
GREAT PRICING &
FREE SHIPPING!**

**WE
WILL NOT BE
UNDERSOLD**

- Call Us Evenings and Weekends -

Keith: 405-602-9155 &

Jim: 405-205-3974

CALL TOLL FREE: 888-947-8761

5037 NW 10th
Oklahoma City, OK 73127

www.centralwinnelson.com



Hach's sewer flow monitoring technology means you no longer have to get your feet wet!

Hach delivers your important sewer flow data to you. Our solutions include industry-leading technology, such as reliable wireless data management and the lowest maintenance flow sensors on the market.

Our solutions give you:

- 24/7 access to unedited sewer flow data
- Non-contact sensor solutions that maximize up-time
- Guaranteed flow data with Data Delivery Services



Hach iSDATA® Web-Based Software
Hach FL900 Series Flow Logger with the
Marsh-McBirney FLO-DAR® Sensor

**Hach. Sewer Flow Solutions You Need.
Technology You Can Trust.**





Hank Day, maintenance and operations foreman of the Sewer and Water Department for Star, Idaho. (Photography by Tom Volk)

FOCUS: SEWER

EYES ON THE INFRASTRUCTURE

Proactive investigation and rehabilitation program helps a rural Northwest community remove I&I and reap financial rewards

By Suzan Marie Chin



Cody Aberasturi of Pipeline Inspection Services uses SprayWall spray-applied polyurethane coating from Sprayroq to rehabilitate an existing manhole.

Hank Day, maintenance and operations foreman of Star Sewer and Water District of Star, Idaho, is on a mission.

“Groundwater infiltrating my system affects my collection system in a variety of ways,” Day says. “Biologically, it makes it harder to treat at the plant. Financially, my power cost goes way up through pumping, not only at the plant, but also at the lift stations, not to mention the wear and tear, and higher maintenance costs of servicing the pumps, so we are always looking for new ideas to deal with and remove I&I.”

In order to achieve his goals for elimi-



PROFILE:
Star Sewer and Water District, Star, Idaho

EMPLOYEES:
7

CUSTOMERS SERVED:
5,200

WASTEWATER COLLECTION SYSTEM:
45 miles of sanitary sewer, 3 lift stations, 187 manholes

WWTP:
650,000 gpd average, 1.5 mgd capacity

ANNUAL BUDGET:
\$1.5 million

nating I&I, Day and his team of vendors have put together a program of annual cleaning and TV inspection coupled with repairs and rehabilitation performed via trenchless technology. Their progressive and proactive approach has led to significant and tangible financial savings for the sanitary district and serves as a solid model for small communities to improve collection system function and cut costs simultaneously.

Picture postcard landscape

The City of Star lies in a picturesque valley nestled along the Boise River in southwestern Idaho. Star’s 5,150 residents enjoy a clean, healthy lifestyle in a rural location that is a popular bedroom community for nearby Boise and Nampa commuters.

The community’s sewer and water utilities are the responsibility of the Star Sewer and Water Dis-

trict, an agency independent of the municipality. The sanitary collection system is comprised of 45 miles of sewer line, ranging in size from 8 to 24 inches, of which, 5 miles are old concrete lines. In just 15 years, the community grew from a modest system of 5 miles to 45 miles, adding an additional 900 sewer connections. Although this brought more revenue to the district, the increased demand and customer base also contributed to a rise in inflow and infiltration.

The landscape of the city is an old riverbed containing mainly river rock and sand with very little topsoil. The area is primarily rural farmland and residential property. During the summer months, due to heavy irrigation, Star’s groundwater is just 2 feet under the surface in some areas, and many sanitary sewer lines are under water. With the high water table, common issues such as offset joints and cracks result in unwanted groundwater entering their collection system, which puts an extra burden on the treatment plant.

Although the district never conducted a formal I&I study, it was fairly simple for Day and his crews to spot increases as every residence and business in the community is connected to the public utility. By measuring outbound flows from the potable wells and inbound flow to the treatment plant during winter months, Day was able to establish a baseline and determine the best time of year and ways of tracking down sources of I&I.

Study it, find it, repair it

Every year, beginning in March,



Hydro-Active Cut (De Neef) hydrophobic polyurethane is used to fix infiltration points around a pipe penetration.

the district enlists the help of an outside contractor to perform cleaning and CCTV inspection of at least a third of its system. Pipeline Inspection Services of Nampa, Idaho, has been performing the inspection, cleaning and rehabilitation for the district’s I&I remediation program for the last five years.

Day generates a series of maps for the areas to be reviewed and improved during the current year’s program. Pipeline Inspection Services crews deal with I&I and other maintenance issues they find as

SMALL TOWN COMPUTING

As a small community, incorporating asset management, GIS and other data collection and analysis tools into daily operations can be challenging both from a financial and a manpower standpoint. Star Sewer and Water District, located in Star, Idaho, has found a good fit for their small community through Utility Software’s Operator Assisted Sewer Information System (OASIS).

Developed primarily for small- to medium-sized wastewater collection systems, the district uses OASIS to manage its sanitary sewer system, keep track of asset location, specifications, history, inspection data, condition scores, preventive maintenance and work orders. Details such as pipe size, length, depth, mapping coordinates, construction and repair history are all recorded. The program is also helpful in developing the plan of action and areas to be included for review as part of the district’s annual I&I remediation program.

Utility Software offers a full-feature working trial version for communities to install and evaluate utilizing a limited number of their own data records to determine if the solution is a good fit before committing to the investment. More information is available at www.sewers.com.



Hydroexcavator operator Robert Dunfee of Pipeline Inspection Services operates the Vactor 2115 combination sewer cleaning unit while Pipeline Inspection Services president Darin Barnes supervises.

they progress through the list of assets to be inspected. Lines are cleaned utilizing a Vactor 2115 combination sewer cleaning unit, and inspected with a vehicle-mounted mainline camera system by CUES. Pipeline Inspection Services streamlines its efforts for the

ysis and maintenance action.

When defects that could contribute to potential I&I or other system performance problems are discovered, Pipeline Inspection Services develops a plan of action and recommendations for Day. The relationship between contrac-

“As a contractor serving small communities like Star, we have to constantly look for new and better ways to address infrastructure problems.”

Scott Wendling

district by having the cleaning and TV crews working in tandem, with just one crew member on each truck. Inspection findings are captured using Granite XP pipe survey software and provided to the district for import into their sewer maintenance database program, Operator Assisted Sewer Information System (OASIS) by Utility Software, for future tracking, anal-

tor and agency is highly symbiotic and the level of cooperation and trust these two entities enjoy has helped the district deal with its infrastructure repairs efficiently and cost-effectively.

“When they come to me and show me the leaks I have in my collection system, they also provide costs and what they feel the best trenchless methods will be to repair



Chris Wilson of Pipeline Inspection Services prepares to send a CUES inspection camera into a sewer main.

the problems. I know when they tell me something they’re not blowing smoke, that they’re actually telling me the honest truth. They do their homework. I trust them, or else they wouldn’t be doing any of my work,” Day says.

Diversity and flexibility

Pipeline Inspection Services has brought many trenchless methods to the table for Day’s consideration and Day and the district have readily embraced any and all new technology and approaches that can solve the community’s infrastructure challenges while saving budget dollars.

To date, the district has employed the use of chemical grouting, manhole-to-manhole CIPP lining, CIPP point repairs and spray-applied poly-

urethanes, selecting methods and technologies based on each unique situation versus attempting to rehabilitate with a one-size-fits-all approach. Analyzing each repair to determine a best-case scenario not only provides for a solid long-term solution but also gives Day the information needed to allocate his annual budget prudently.

For example, moderate manhole infiltration is most often remediated by high-pressure chemical grouting, using Hydro-Active Cut by De Neef Construction Chemicals. Chemical grouting is also used in mainline repairs but only in situations where the lines are deep and will retain water, since the grout will not cure properly if conditions are too dry. In those cases, CIP point repairs will be recommended

as the better alternative. For manholes, wet wells and lift stations in need of more robust rehabilitation, spray-applied polyurethanes from Sprayroq are applied.

"As a contractor serving small communities like Star, we have to constantly look for new and better ways to address infrastructure problems," says Scott Wendling, vice president of Pipeline Inspection Services. "We evaluate the systems and technology we use and recommend to our clients pretty intensively. We review the key manufacturers in each method and develop an assessment of how they will fit with what our clients need. As a result, we've developed a strong arsenal of solutions to call upon for just about any situation. But we're not afraid to send Hank and other clients in another direction if something we can't provide would be the better fit for their project."

Case in point: a recent dyke washout on the Boise River created a situation where the drainage ditch was several feet deeper than normal and a section of mainline that spanned the drainage canal was completely underwater. Upon inspection, major holes were pinpointed throughout the line. This stretch of line is exposed under normal conditions, so a rehabilitation method that would provide strong structural ability was required. In addition, the line was located on the shoulder of the primary north-south highway route into town, so traffic control and disruption to the community were of concern. CIPP lining was selected as the rehabilitation method and Pipeline Inspection Services performed the installation of a 457-foot-long, 6-millimeter-thick liner, versus a standard 4.5-millimeter-thick liner, to provide the extra structural support needed.

"Without the ability to make such a repair affordably and quickly with trenchless technology, we would've gotten several million gallons a day of extra water coming into the wastewater treatment plant while that line was submerged," Day relates. "Since the repair, we've had zero infiltration coming from that line."

The big pay off

Major repairs like this and countless other small efforts have contributed to the great success of the district's I&I remediation program. During the last season of inspection and repairs, Star Sewer and Water District spent \$16,520 on infiltration

"Without the ability to make such a repair affordably and quickly with trenchless technology, we would've gotten several million gallons a day of extra water coming into the wastewater treatment plant while that line was submerged."

Hank Day

a collection system costs \$526.15 per year," Day says. "To some, a figure like \$46,000 may seem small, but you take that over a lifetime and that's one heck of a lot of money that you can invest elsewhere to improve your system, treatment facilities and customer service just from removing a few gallons of water coming in a day. In the big picture, every drop really does count." ♦

rehabilitation projects that resulted in a reduction of inflow to the treatment plant by 17 percent. This equated to a lowering of treatment costs by \$169 per day or \$61,685 annually, netting an overall savings of \$45,165 for the year.

"On a national average, 1 gallon per minute of groundwater entering

**AT APPLIED FELTS,
THE SUN NEVER SETS.**

**NO MATTER WHERE YOUR ROAD LEADS,
WE ARE THERE FOR YOU. DAY OR NIGHT.**

As the world's largest independent manufacturer of CIPP felt liners, our day never ends. We support our customers 24/7, because they are our greatest asset. Why? Because when our customers succeed, so do we. Our commitment to ongoing research and development never ends, either. We are currently undergoing extensive expansion at our Martinsville, Virginia plant to accommodate the newest technologies and innovations.

Our liners are 100% vertically integrated. Every phase of manufacturing - including a 28-stage testing system - is done in one location, providing confidence that your liners will stand the test of time. With more than 140 million linear feet of successful installations underneath roads and other structures all around the globe - or enough to circle the earth - the sun is always shining, somewhere, on a successful Applied Felts project.

MORE INFO:

CUES
800/327-7791
www.cuesinc.com
(See ad page 16)

Utility Software, LLC
925/283-1963
www.sewers.com

De Neef Construction Chemicals, Inc.
800/732-0166
www.deneef.com

Vactor Manufacturing
800/627-3171
www.vactor.com
(See ads pages 3 and 50)

Sprayroq, Inc.
205/957-0020
www.sprayroq.net

APPLIED FELTS
YOUR SUCCESS IS OUR SUCCESS

BSI
ISO 9001:2008
FM 56735
FM 35725

www.appliedfelts.com

ROBOTIC INSPECTION AND SEWER
REHABILITATION IN ONE SYSTEM

EXCLUSIVE
NORTH AMERICAN
DISTRIBUTOR
FOR SCHWALM

**ROBOTICALLY INSTALL
ASTM F2561 & F2599
PRODUCTS**



- ✓ Cutting ✓ CIPP Spot Repairs
- ✓ Milling ✓ CIPP Lateral Connections



LMK
TECHNOLOGIES.COM
815.433.1275

BEFORE



AFTER



**The MY400
Municipal Package**

Made in the U.S.A.

MyTana

*Professional grade tools
for sewer & drain professionals*

- **Longer inspections** — up to 400ft in up to 12" pipes
- **Locate up to 35ft deep** with the SUPER Sonde
- **Record & document** problem spots with the built-in DVD burner/player
- Hurco's Stringer/Ripcord kit is available to add to the Package

Contact us for your FREE full line catalog today!

toll free: 800.328.8170 fax: 651.222.1739 **SHOP** www.mytana.com

CABLE MACHINES • JETTERS • PUSH CAMERAS FOR MAIN LINES & DRAIN LINES • LOCATORS • RELATED PARTS • ACCESSORIES



ROOT PROBLEMS KEEPING YOU AWAKE?

REST IN PEACE...ROOTS

Are you awake worrying about getting another callout to clear a blockage or even worse...deal with a major overflow?

Get some peace of mind with Vaporooter, chemical root control that really works. For over 40 years, Vaporooter's proven formula has effectively killed roots and prevented re-growth for years. Guaranteed.

Don't lose sleep worrying about roots destroying your system; we've got you covered. Call Vaporooter today.



VAPOROOTER®
Kills Roots. Period.

1-800-841-1444 • www.vaporooter.com

1550 East Old 210 Highway • Liberty, MO 64068
Vaporooter refers to Sanafoam Vaporooter II, a restricted use pesticide.





WHAT'S INSIDE?

Vital information on caring for vital infrastructure.

Start my **FREE** subscription to *Municipal Sewer & Water* magazine

Signature (required) _____ Date _____

Attention _____

Company Name _____

Mailing Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-Mail _____

What is your company's primary function? _____

What else does your company do? (circle letters below):

- | | |
|--|--|
| A TV/Video Inspection | M Manufacturer of _____ |
| B Pipeline Rehabilitation/Sewer Repair | N Septic System Design |
| C Drain/Sewer Cleaning (Rooting, Jetting) | P Plumbing/Heating/Cooling |
| D Dealer/Distributor of _____ | Q Excavation/Grading |
| E Grease Pumping/Disposal/Treatment | R Refuse (Solid Waste) Hauler |
| F Septage or Sludge Disposal/Treatment | S Septic Tank Service-Pumping/Maintenance |
| G Government/Municipality/POTW | T Portable Toilet Rentals |
| H Hazardous/Industrial Liquid Waste Hauler | V Industrial Plant Service Vacuum/Cleaning |
| I Septic System Installation/Repair | W High Pressure Waterblasting |
| J Non-Hazardous Liquid Waste Hauler | Y Hydroexcavation |
| K Directional Drilling/Boring | Z Equipment Rental Center |
| L Consulting | Other _____ |

Fax this form to 715.546.3786

Mail this form to
COLE Publishing, P.O. Box 220, Three Lakes, WI 54562

Phone 800.257.7222 **Online** at www.mswmag.com

In every issue of *Municipal Sewer & Water*, you'll read all about sanitary sewer, stormwater and water system professionals. You'll discover:

- Who are the innovators in system repair and maintenance
- How they make sound decisions that improve service and save money
- What tools and technologies drive efficiency and performance
- Where to go to find the latest equipment and advice

35,000+ municipal and utility maintenance professionals rely on it every month.

A subscription is **FREE**.
www.mswmag.com or
800.257.7222



SCAN WITH YOUR
SMARTPHONE

COMMUNITIES DEPEND ON THEIR CITY FOR WATER. CITIES DEPEND ON RELIASOURCE®.



reliableliftstations.com

WITH GORMAN-RUPP QUALITY AND DURABILITY, YOU GET
DECADES OF LONG-LASTING, TROUBLE-FREE PERFORMANCE.



ReliaSource® 6x6 Above-Ground Lift Station



ReliaSource® 8x12
Above-Ground Lift Station



ReliaSource® Above-Ground
Submersible Valve Package (ASVP)



ReliaSource® 7x10
Above-Ground Lift Station



ReliaSource® 6x6T
Above-Ground Lift Station



ReliaSource®
Below-Ground Pump Station



ReliaSource®
Auto-Start Lift Station



ReliaSource® Base
Mounted Lift Station

Gorman-Rupp created the ReliaSource® line of packaged, fully customizable, above- and below-ground lift stations to eliminate costly service interruptions caused by inferior parts. Every component of a ReliaSource lift station—whether it's the durable NidaFusion STO enclosure, custom-engineered controls, or our unrivaled line of self-priming and submersible pumps—is 100% manufactured, assembled and tested by the experts at Gorman-Rupp. That's how we know our lift stations will outperform and outlast any other lift station in the industry. We also carry the largest parts inventory in the industry with 97% of orders shipping within 24 hours. With Gorman-Rupp, your lift station will keep doing its job and your investment will keep paying off.

Discover your single source for value, performance, and parts you can rely on at reliableliftstations.com.

RELIA SOURCE®

THE GORMAN-RUPP COMPANY
P.O. BOX 1217 | MANSFIELD, OHIO 44901-1217 USA
419.755.1011 | GRSALES@GORMANRUPP.COM | GRPUMPS.COM



FOCUS: WATER

WASTE NOT, WANT NOT

Colorado community uses conservation and careful management methods to maximize the scarce precipitation feeding its water supply

By Erik Gunn



Senior water maintenance specialist Anthony Beazer vacuums out a valve with an E.H. Wachs Trav-L-Vac 300. (Photography by Pete Lawlor)

Futurists warn that we're heading into an era when clean, fresh water will grow harder and harder to find.

If they're right, Aurora, Colo., just might have an advantage. The city has been confronting water scarcity for decades, and its water utility has learned a lot along the way about how to stretch the precious resource as far as possible.

Located just east of Denver, on the prairie at the feet of the Rocky Mountains, Aurora draws its water from the South Platte, Arkansas and Colorado river basins. And for half a century, Aurora Water, the branch of the city government responsible for water supply and distribution, has operated with an eye toward making the most of a sparse resource.

"Our City Council had a lot of foresight in the 1950s, when our system was getting up and running," says Lisa Darling, South Platte program manager for Aurora Water. "They told us not to rely on nonrenewable water resources. But they also told us to work at making sure the system could sustain itself and meet demands through a three-year 1950s drought, which prior to 2002 was our most severe drought."

Aurora Water rises to that challenge in several ways. First, there's managing the supply. Over the years, the agency has learned how to make sure the water that does fall to earth goes as far as possible and that there is plenty in reserve when needed.

Then there's managing the demand. Conservation is job one in Aurora, and through education, rate structuring and technological innovation, the agency stretches its limited water supply as far as possible.

"Colorado is an arid state and water is at a premium," says Tom Ries, manager of transmission and distribution for Aurora Water and interim deputy director of water

(continued)

Strong-Seal®

SYSTEMS

The Technology Leader in Manhole Rehabilitation



Strong-Seal® Systems

The fast, cost-effective solution for

- Stopping infiltration
- Restoring structural integrity
- Corrosion protection

Offering
Manhole
Rehabilitation
Solutions Since
1989

Complete Family of Strong-Seal® Engineered 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
- Quick Set Repair (QSR)
- Bench Mix
- Strong-Seal® Ring Sealant
- Dependable and high output application equipment

THE
Strong Company
I N C .

Toll-free: **(800) 982-8009**

Fax: (870) 850-6933

E-mail: info@strongseal.com

Web Site: **www.strongseal.com**



Water maintenance mechanic Hector Razo uses a Fluid Conservation Systems digital correlator with a microphone to listen for leaks.

“Our City Council had a lot of foresight in the 1950s, when our system was getting up and running. They told us not to rely on nonrenewable water resources.”

Lisa Darling

operations and engineering. “The more we can do to wisely use that resource, the better it’s going to be for all of us.”

Third largest city

Aurora is the third largest city in Colorado, covering about 150 square miles with a population of 335,000. The customer base is served by approximately 1,864 miles of water distribution line, ranging from 6- to 72-inch pipe of a wide range of materials, from PVC to steel, to ductile and cast iron. “Whatever material you can name, we have some of it,” Ries says.

The city, a suburb of the Mile High City, has a moderate amount of light industry. Except perhaps for the popularity of golf courses, which require plenty of watering to maintain lush greens, little about Aurora’s demographics or economy really stands out when it comes to water demand, Ries says. Average demand is about 45 mgd.

“We’re dependent on snowfall, snowmelt runoff (to feed the South

PROFILE:
Aurora Water,
Aurora, Colo.

POPULATION SERVED:
335,000

SERVICE AREA:
City of Aurora, Colo.

WATER VOLUME:
45 mgd average daily demand;
16.2 billion gallons of water
treated/distributed in 2011

INFRASTRUCTURE:
1,864 miles of water
distribution lines

EMPLOYEES:
422 (Workers are cross-trained
in both water distribution and
transmission as well as sewage
collection and treatment.)

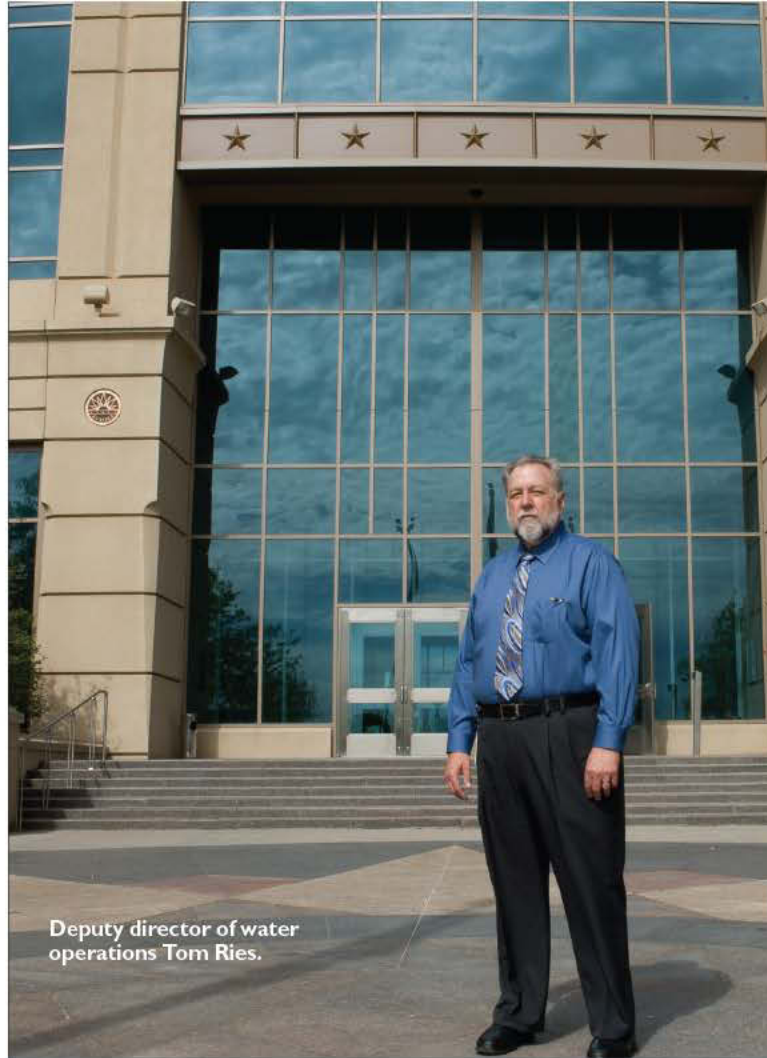
**ANNUAL OPERATING
BUDGET:**
\$204 million

WEBSITE:
[www.auroragov.org/
LivingHere/Water/index.htm](http://www.auroragov.org/LivingHere/Water/index.htm)

Platte River),” Ries says. “We don’t get significant precipitation except during the winter time.”

A reservoir system stores some 150,000 acre-feet of water, about three times the community’s annual demand of 50,000 acre-feet, says John Murphy, senior water resources engineer for Aurora Water.

But the river, Murphy notes, isn’t just a water supply source, it’s a recreational amenity for boating, fishing, tourism and other activi-



Deputy director of water operations Tom Ries.

DUAL RESPONSIBILITIES

A water agency that’s also responsible for sewers?

It might sound unusual, but in Aurora, it’s been that way for years, and very successful, says Tom Ries, manager of transmission and distribution for Aurora Water and interim deputy director of water operations and engineering.

“Back in 2005, we reorganized along functional lines rather than disciplines,” says Ries. So, for example, it created a “pumping group” in which everyone responsible for pumping machinery worked together. Maintenance crews, engineers and techs in that segment of the organization handle pumps of all kinds.

“We did it for a number of reasons,” says Ries. It made better use of employees’ skills and made for more varied career paths within the organization.

“All the work you do on pumps is the same, no matter what kind of pump it is. It was an efficiency decision,” he says.

Because the transmission and distribution side and the wastewater/stormwater side can now share equipment as well as personnel, Ries says the city has almost certainly saved money, although no one has calculated the exact savings.

Of course, there are certain procedures that have to be followed to prevent health hazards, Ries notes. And certain pieces of equipment may be designated strictly for potable or for wastewater and stormwater use.

(continued)

Best Jet-Set™ Yet!



General's redesigned Jet-Set™ water jets have so many upgrades we don't have room to list them all here, so check them out at www.drainbrain.com/jets, or call the Drain Brains® at 800-245-6200 to learn more or arrange for a free demo.



General
PIPE CLEANERS
www.drainbrain.com

★MADE IN USA★

The toughest tools down the line.™

© General Wire Spring 2012

The Aurora leak detection team includes, from left, water maintenance mechanics Hector Razo and Dave Galindo, water maintenance supervisor Mike Hayes, and senior water maintenance specialist Anthony Beazer.



ties. So Aurora Water and its counterpart agency in Denver work together with fish and wildlife agency officials to make sure that as they draw down water, levels remain sufficient to support the fish population as well as recreational activities.

Managing storage

The volume of water flow into Aurora's system can fluctuate drastically. During the worst drought in recent years, 2002, the inflow of water was 23,000 acre-feet — less



PHOTO COURTESY OF CITY OF AURORA

Senior program specialist Natalie Brower-Kirton spends much of her time in classrooms teaching children where their water comes from and how to conserve.

than half the yearly demand.

Darling says more sophisticated weather forecasting tools are now available to help the agency more accurately gauge the likelihood of precipitation.

The recently completed \$653 million Prairie Waters Project is also adding to Aurora's resources. The project recaptures water that has already been returned once to the South Platte after treatment.

The water is recovered downstream and piped 34 miles back to a new, state-of-the-art treatment facility near the Aurora Reservoir. Some 10,000 acre-feet of water — about 20 percent of the annual demand — can be recaptured that way, Murphy says.

Maintenance schedule

Ongoing maintenance has helped

improve Aurora's efficiency. The city's 11,500 fire hydrants are inspected and serviced every year, and some 30,000 valves in the distribution system are examined in order of their critical significance in the system.

The agency has four employees who are almost entirely dedicated to leak detection, whether for routine investigation or to solve water main breaks, Ries says. That has built important expertise and has also minimized traffic disruptions and reduced the length of time water has to be turned off for repairs.

An extensive battery of jetter/vacuum combination trucks — four from Vac-Con, two from other suppliers — and five CCTV inspection vans equipped with RS Technical cameras and transporters help



Public outreach is an important aspect of Aurora's operations, creating stronger relationships with customers and an understanding of the utility's goals and initiatives. The public outreach team includes from left, front row, Robert Stehlik, Diana Denwood, Sandy Tirrell, Lynn Chardoulas; second row, Natalie Brower-Kirton, Gail Puppe, Judy Arffman, Mark Cassalia, Mike Lennon; third row, Austin Krcmarik, Bill Wobido, Tim York, Zach Versluis, and Lyle Whitney.

keep things humming throughout the system. Aurora uses POSM Pro Pipeline Observation System Management to capture and manage its pipeline inspection data. The agency's principal tools also include a wide range of leak detection equipment, including Fluid Conservation Systems (FCS) and Schonstedt Instrument Co. leak correlators, FCS Leak Loggers, and a variety of ground and other electronic microphones

from Fisher, Vivax-Metrotech, Heath Consultants and Pollardwater.com. The Metrotech 810 and Heath Tech 800 line locators round out Aurora's tool chest.

Lowering demand

Multiple strategies help Aurora keep demand for water in check. The most basic is a billing structure based strictly on use — no taxpayer funds go into the agency —

that actually raises the unit rate for water as the overall volume of water drawn goes up.

Promoting conservation is also an extensive part of the agency's mission, a mission that falls under the eye of Mark Cassalia, water conservation supervisor.

When the water supply becomes really limited, strict measures can be required, like restrictions on watering lawns and other usage constraints, Cassalia says. But much of the conservation program is aimed at preventing things from ever getting that far.

Water conservation audit teams follow up if customers call to complain of leaks in their water systems. They also bird-dog water bills and offer to come in and help customers who see huge spikes above typical use — typically 1,500-2,000 gallons per month during the indoor season of winter, Cassalia says.

Smart readers, dry landscape

The city buys \$71 remote "smart readers" that customers can buy for \$30 and use to track their own water usage. About the size of a cellphone, the wireless readers are placed where they're easily seen — on the outside of the fridge, for instance — and collect data from the customer's water meter. The user typically takes a reading at night, makes a note of it, and then zeroes out the reader. The next morning, the device is read again. "If any gallons went through, you have a leak," Cassalia says.

Public education is an important component. The city promotes the use of low-volume shower heads and sink aerators. "That can return the cost on your water bill within a month to three months," Cassalia says. The city rebates up to \$75 per toilet if a homeowner has a new 1.28 gal/flush toilet installed. For toilets that can flush on a gallon or less, the rebate goes up to \$150.

Lawns and gardens are another point of focus.

"We only receive 14 inches of precipitation a year, so having a lawn is nearly impossible without irrigation," Cassalia says. "Approximately 75 percent of our customers have a built-in irrigation system or an automatic sprinkler system. Those of us who don't, have to water by hand pretty frequently."

That leads to another Aurora strategy: giving rebates to customers who replace their water-needy lawns with "xeriscape" — landscaping that is designed for arid conditions.

The city will pay \$1 for every square foot of land that has been xeriscaped, up to \$10,000 for a residential property and \$25,000 for larger plots of land. Ornamental grasses and shrubs are among the characteristic choices for such a climate-friendly landscape, and tolerate much less water than the standard suburban lawn bluegrass.

Aurora also encourages people to use the rain they do get to water their lawns rather than relying on the outdoor spigot and hose. And when new development comes in, the city planning department requires that no more than 40 percent of the landscaping can be conventional bluegrass lawn, Cassalia says.

Aurora Water puts on about 25 adult education classes a year in the community; a "youth water festival" for fifth-graders that draws 1,600 students every year who come to the Aurora Water facilities

"We know it's not sustainable in the long run to develop as we did in the '70s and '80s, with bluegrass fence to fence. It just doesn't match our climate, and the amount of energy we use to get that water there — it's very difficult."

Mark Cassalia

and spend the day learning about how water works; and additional lesson plans and curriculum materials provided to schools and teachers.

Sustainable future

All of this, says Cassalia, is aimed at infusing the whole community with the same appreciation for the value of water and the importance of taking responsibility for using it wisely that Aurora Water has already long understood.

"We know it's not sustainable in the long run to develop as we did in the '70s and '80s, with bluegrass fence to fence," Cassalia says. "It just doesn't match our climate, and the amount of energy we use to get that water there — it's very difficult."

(continued)

MORE
MORE Testing. MORE Support. MORE Proof.

- Explore Articles
- Watch Videos
- View Projects
- Read Overview
- Compare Product
- Call Us!

With BLUE-TEK UV Cured-in-place Pipe Liners and Equipment
you get MORE...
without even asking for it.

BLUE-TEKTM
A Greener Technology

See for yourself at
www.relineamerica.com/MORE



866.998.0808

116 Battleground Avenue, Saltville, VA 24370

©2012 Reline America, Inc.

we bend over backwards
for our customers



Municipality, Contractor or Engineer...

Whether your job is to capture data, analyze it or share and collaborate findings across your organization, we can help. PipeLogix has been providing innovative solutions for infrastructure management for over a decade.

Real Time Answers for Real Time Issues...

PipeLogix Tech Support is a real person on the other end of the line that gets you through your problems and gets you working as quickly as possible.

Because Customer Service Matters...

In a world where real customer service seems harder and harder to find, PipeLogix is committed to providing uncompromising excellence in after-sales support and technology development for the infrastructure industry.



Call 866.299.3150 today to learn more or to schedule a FREE online demo of any of our survey solutions. www.pipelogix.com

Our Business Partners:



Along with conservation and expanding ways to reuse water, Cassalia admits Aurora is going to have to look for new supplies. But it will be impossible to rely simply on finding new sources alone. If every utility limited its strategy to getting new supplies of water and ignored reuse and conservation, it would “drive the cost of water up astronomically.”

Making the most of the resource will require all three tools: finding new sources, reusing water creatively in more and more ways, and conserving it from the start. “That’s really the only way that we believe will be sustainable,” Cassalia says. ♦

MORE INFO:

E.H. Wachs
866/392-1060
www.ehwachs.com

Fisher Research Laboratory
915/225-0333
www.fisherlab.com

Fluid Conservation Systems, Inc.
800/531-5465
www.fluidconservation.com

Heath Consultants
800/432-8487
www.heathus.com

Pollardwater.com
800/437-1146
www.pollardwater.com

POSM Software
859/274-0041
www.posm.us

RS Technical Services, Inc.
800/767-1974
www.rstechserv.com
(See ad page 42)

Schonstedt Instrument Co.
800/999-8280
www.schonstedt.com

Vac-Con, Inc.
888/491-5762
www.vac-con.com
(See ad page 116)

Vivax-Metrotech Corp.
800/446-3392
www.vivax-metrotech.com



CALL TODAY!

New Rental Program

MR. MANHOLE
MANHOLE LEVELING SYSTEM

Remove and Level Manhole Frames in Under 1 hour

(419) 229-3015

Check out our **NEW Web Site** www.mrmanhole.com

A large, black and white photograph of Don Bennett, a man with short, dark hair and a serious expression, looking slightly to the left. He is wearing a light-colored, high-visibility work jacket over a dark shirt. The background is out of focus, showing what appears to be the interior of a vehicle or a piece of machinery.

**“ROOTX
JUST
WORKS.”**

Don Bennett
City of Corvallis, OR
Public Works Department

THE RIGHT SOLUTION. RIGHT NOW.

There was a time when Don Bennett and the Public Works crews in Corvallis, Oregon, did all their root control with mechanical cutters — but the roots just grew back bigger and tougher.

Then they discovered RootX, the proven root killer used by municipal sewer departments and plumbing contractors nationwide. Now, RootX gives the crews in Corvallis a smarter solution. Within a month after application, roots are dead and decaying — and the lines keep flowing for up to 36 months. Guaranteed.*



Ready to find out more? Email us at rootx@rootx.com, or give us a call at 1-800-844-4974.

*visit www.rootx.com/municipalities/guarantee for details.



www.rootx.com

ROYAL FLUSH!

Be the Big Winner with ENZ Flushing Solutions!

Whatever your unique flushing challenge, Enz has a nozzle designed specifically for your job. Whether you are removing mud and loose rubble in run-off drains, flushing enormous quantities of sand and gravel from surcharged older channel systems, or cleaning storm drains, culverts and pipes up to 100" in diameter, Enz has the solution for you.

Enz stacks the deck when it comes to the most efficient flushing systems on the market!

POWERFUL

EJECTOR NOZZLE
Amplifies water flow 5X
Max. Working Pressure:
3800 psi



VERSATILE

GRENAD-BOMB
Combines high performance & versatility
Max. Working Pressure: 4000 psi

DURABLE

FLOUNDER
Compact & aggressive water jet
Max. Working Pressure: 4000 psi

RELIABLE

BULLDOZER
Drastically reduces clean-up time & water consumption
Max. Working Pressure: 4000 psi



Got a Flushing Problem? We Have the Solution—
Call 877-ENZUSA1 (369-8721) for A Dealer Near You!



1585 Beverly Ct., Unit 115 • Aurora, IL 60502
www.enz.com



SPECIALTY MAINTENANCE PRODUCTS

Safer Tools / Safer Workplace

Valve-Out Tool



Safely Remove Valves, Meters, Spools etc...

Valve-Out Tool works on flanges with bolt holes from 3/4" to 1-3/8"

Valve widths up to 14" or more with the use of extra spacers.

Can be used as a flange spreader with no gap required between the flanges.

Great for Butterfly Valves!

No need for Come-a-longs, hammers, wedges, chisels, pry-bars and other unsafe tools!

Flangespreaders.com for video presentation.

Specialty Maintenance Products, Inc
Houston, TX
Office: (713) 667-4402
FAX: (713) 669-8618
Email: mark@flangespreaders.com
Website: flangespreaders.com

Check out our **SMP Titan Flange Alignment Tools and Piper Hands-free back up tools** at flangespreaders.com



PAT'S PUMP + BLOWER

(407) 841-7867 / fax 407 648-2096
www.patspump.com
800-359-7867



Masport



DK Blower - The Original Centrifugal Bolt in Replacement for your Sewer Cleaner



Roots Blower - Truck Mount
Factory Authorized Repair Center



General Water Pumps
Master Distributor
Factory Authorized Repair Center



OMSI Split Shaft Power Take Off
Factory Authorized Repair Center



Myers/Aplex Pumps
Factory Authorized Repair Center

Conquer.



Become the conqueror of cross-bore locating. Get down the line inspecting 30, 40 ... 50 plus laterals a day experiencing unparalleled productivity with the Aries LETS (Lateral Evaluation Television System).

Engineered to inspect a mainline up to 48-inch diameter and a lateral of more than 150-feet, the Aries LETS has features robust enough to enable you to easily conquer the opportunities in front of you. Add the self-cleaning PE3600 Pan/Tilt camera and you have the most complete system available today for navigating and inspecting the toughest lateral line conditions.

Begin your conquest. Unleash the relentless Aries LETS to discover dangerous cross-bore locations. For more information, contact your Aries dealer or sales representative today.



Proudly Manufactured in the U.S.A. | ARIESINDUSTRIES.com | (800) 234-7205

THE FUTURE OF INSPECTION UNFOLDS

CUES Digital Universal Camera is a major departure from traditional analog technology

By Gil Longwell

The CUES semi-autonomous Digital Universal Camera (DUC) overcomes the limitations of analog CCTV by capturing high-definition images with eight times greater resolution. The resultant digitally unfolded images can be manipulated, cataloged and evaluated up to six times faster than analog images

using CUES' proprietary Granite XP Asset Management Software. The DUC can be mounted to most CUES transporters as well as many manufactured by others. Likewise, other manufacturers' digital image management software can also be used.

CUES vice president of sales Paul Stenzler, technical support



A "down the line" view of an 8-inch vitrified clay pipe created by the Granite XP software stitching successive individual "still" images into a continuous virtual movie of the traverse. (Photography by Gil Longwell)

TECHNOLOGY TEST DRIVE

EQUIPMENT:
Digital Universal Camera "DUC"

MANUFACTURER:
CUES
800/327-7791
www.cuesinc.com

LOCATION OF DEMO:
Orlando, Fla.

DEMONSTRATED BY:
Paul Stenzler, Ryan Haughton and Shane Kovacs of CUES

LIST PRICE:
\$88,000 to \$98,000, which includes the DUC and appropriate software when configured as an update or retrofit to an existing CUES system. Training is included; a transporter is not included.

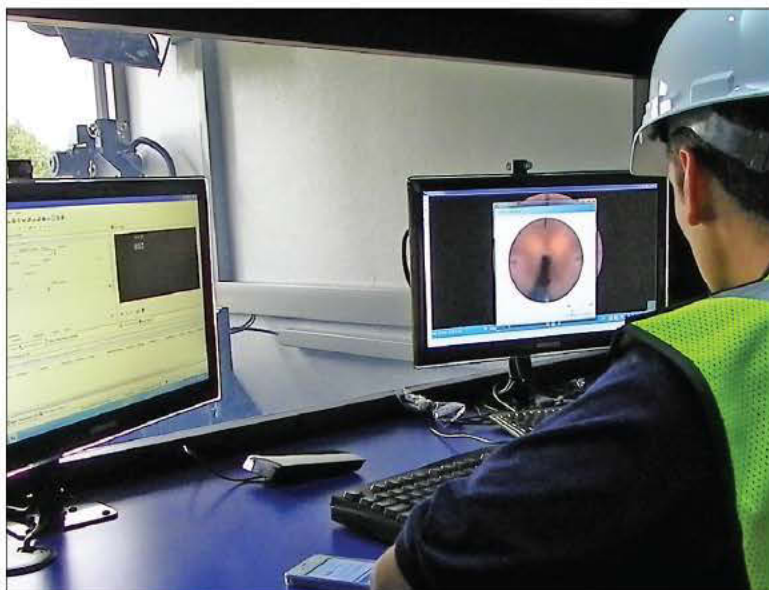
specialist Ryan Haughton, and system demonstrator Shane Kovacs demonstrated the DUC and its supporting Granite XP software in an 8-inch vitrified clay pipe serving a residential neighborhood in Orlando, Fla. Several members of the utilities maintenance staff of the Orange County Utilities Commission's Water Reclamation Division also viewed the demonstration.

Walk-around

A cylindrical body houses and protects the DUC high-definition camera and an adjustable output LED lighting system. Weighing about 9 1/2 pounds and with no moving parts, the forward end of the camera looks and performs like a bulbous fish-eye lens that has a 185-degree field of view. The camera body is 3 inches in diameter; the forward portion where the lens is housed is 4 1/2 inches in diameter.

CUES technical support specialist Ryan Haughton reviews imagery in the "fish-eye" mode. The data entry pane is open on the monitor to the left.

Forward-focused LED lamps alternate with a second LED array, both of which are wrapped around the lens. The LEDs' intensity is operator variable; the Granite XP software further enables the operator to select from a variety of preset illumination intensities matched for pipe diameter and material. The LEDs and lens are protected behind an additional clear lens. Portions of this lens are frosted to diffuse some of the LEDs' output, while other portions are clear to enable collimated (focused) illumination down the pipe for a distance of several pipe segments.



Four metal projections around the lens' perimeter extend forward, providing protection that diminishes the likelihood of debris strikes.

The camera has no shutter, yet it captures four "still images" per second. This is achieved by the precisely timed strobing of the LEDs. In a pitch-black pipe, each flash is captured as a discrete, manipulatable image.

The body is about 14 inches long. On the rear surface, there is a single, armored, waterproof connector for the control and video cable's attachment. This connection delivers the digital video feed to the Granite XP software.

Tractor and tractor tire selection enable inspection of pipes from 6 to 60 inches in diameter. Positioning the camera's centerline of travel in the subject pipe's centerline optimizes the quality of the resultant images. Steerable transporters are recommended for pipes with a diameter greater than 18 inches.

The Granite XP software manipulates each still image. The images of the view through a continuous pipe are unwrapped, uncoiled or "flattened." Next, they are seamlessly stitched together into a "multi-flat view." Several multi-flats are then

stitched together to create an "extended flat." The Granite XP software also creates a digital "movie" of the traverse, which can be further manipulated.

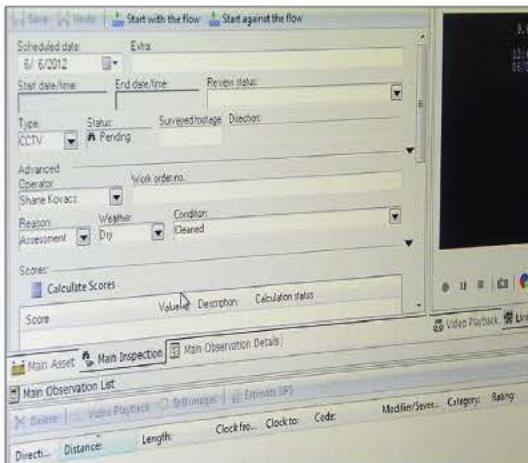
The time needed for condition assessment and recording is compressed by the evaluator's ability to instantly jump from defect to defect in lieu of watching foot after foot of satisfactory pipe pass by on screen.

Operation

The DUC was mounted to the transporter, in this case a CUES steerable Pipe Ranger. This model was selected to position the camera in the



In the midst of a virtual panning sweep, the operator paused to look to the left into a connected lateral. The position in the pipe is indicated by the progress bar in the extended flat. Numeric positioning information is presented along the bottom ruler.



The primary data entry screen used by a PACP-certified evaluator to note conditions, which are correlated to the spot on the stitched imagery where the condition exists.





Finally!
 A valve exerciser
 Everyone can
 afford!
 As shown,
 including telescopic
 valve key

\$3295.00
 Suggested list

Order before September 30th
 and receive a UWS aluminum
 storage chest **FREE**.
 A \$350 value



Scan this QR code with your smartphone to see a Valve Boss in action.

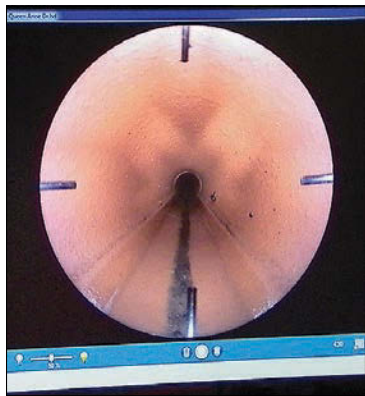
www.valveboss.com
sales@valveboss.com
225-226-8668

*Applied to orders placed directly with Singleton Equipment, LLC

pipe's centerline. The camera is secured with a pair of hand-operated clamps; the cable is secured with a press-and-twist connector.

The unit was run through a lights check. On the surface, when strobing, the individual flashes are not detectable by the human eye; they appear to shine continuously. The transporter control system was also checked on the residential street. The unit was introduced into the manhole using the standard CUES lowering hook method. The cable was routed through an anti-chafing device as it entered the mainline and through a pulley at the manhole lip. These measures assure the cable's free movement through these potential pinch-points and add an extra level of protection for the cable's exterior surface.

In the inspection truck's operations cab, Haughton was loading manhole identification information, pipe characteristics, GPS coding and related information into



The four projecting lens protectors (at 3, 6, 9 and 12 o'clock) are seen in this fish-eye view. Also discernible are the four "columnated" beams of light (10, 2, 4 and 8 o'clock). The less intense diffused light has been "softened" as it passes through the lens shield.

the Granite XP software. Then Kovacs, a PACP certified evaluator, took over. He initiated the tractor's forward movement and observed the video feed as it was received. After verifying image quality, camera orientation and proper tractor response, the tra-

verse was initiated and image capture began immediately.

On screen, the images were displayed in three "panes." The traditional real-time, forward-looking view is in the largest pane on the right portion of the monitor. As the traverse continued, the stitched segments displayed, segment-by-segment, down the left side pane. A similar, but longer stitched image spread across the monitor's bottom pane. As the transporter advanced, the images moved across the pane, keeping pace with the transporter's progress through the pipe.

By looking at the different panes, the operator could see what the camera was encountering. He could see a panoramic view of the preceding 50 feet of pipe in the bottom pane, and to the left, a column of multi-flat stitched segments.

The entire traverse and data capture was accomplished with the tractor operating on cruise control and required no operator intervention. When the next manhole in the line was encountered, the operator could choose retrieval or continuing the traverse through to the next manhole. Flow-path alignment and cable length are the limiting factors for this decision. Retrieval was selected and initiated. The transporter was retrieved at about 50 feet per minute.

All of the basic segment information, images, digital video and stitched segments were saved to onboard hard drives as they occurred. At the end of a work shift, all of the stored data is delivered to the utility or contractor's central office where the actual condition assessment takes place. With sufficient bandwidth and coverage, the report can be emailed to an organization's headquarters while the inspection vehicle is traveling to the next manhole access.

Kovacs demonstrated the Granite XP software in the inspection vehicle following transporter retrieval. This is the same process that usually is performed in a central office by a dedicated evaluation team.



The transporter and DUC are being lowered into the manhole using a standard CUES introduction pole.

"Typically, the digital data is recorded in a single uninterrupted pass without operator-directed stop and look, pan and tilt actions. This continuous data gathering process can increase productivity by a factor of five."

Paul Stenzler

After loading the inspection file into the software, images were again displayed in three panes. First, his eye scanned the bottom extended flat pane as he looked for signs of defects. When a suspected defect was observed, he mouse clicked directly on the defect. This immediately presented a forward-looking view of the suspect spot on the main viewing pane. There he could "virtually" pan, tilt and zoom the view as well as "move" the tractor forward or backward. In a like manner, he could mouse click on a lateral junction. The virtual forward movement was stopped as Kovacs panned, tilted and zoomed the image to look into the conjoined pipe. In this mode, a software tool enables defects' dimensions to be measured and noted as part of the record for the precise point where they were taken.

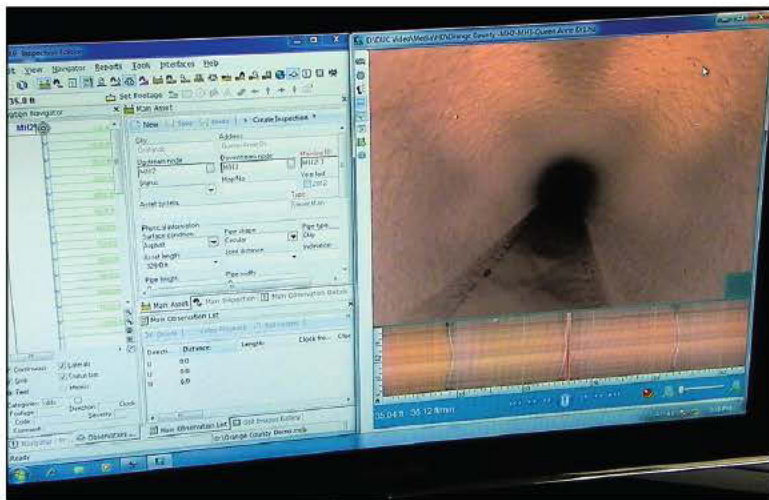
Kovacs opened a database pane into which he recorded condition assessment notations and previously

obtained measurements. These tasks are supported and enabled by the Granite XP software, which allows a host of preset comments to be stored, selected and entered by mouse click rather than keyboarding. The uniformity of data notation assures consistency of notes and eliminates subjective labeling. The Granite XP software can present the defect report in a variety of industry-standard tabular and database formats that can be saved electronically or printed.

Observer's comments

Two of the three traditional inspection components — lights and camera — are combined into a single unit, the DUC. This enables owners of prior generation or legacy transporters and image capture systems to immediately transition into digital CCTV inspection with limited secondary costs.

The DUC requires complementary software for image manipulation and condition assessment



Granite XP software presents information in a variety of user-changeable formats. This configuration was selected to facilitate recording condition assessment information. The position indicator bar in the center of the extended flat window (right) shows the viewpoint relative to the overall traverse.

reporting and data management. An appropriately sized and controlled transporter is needed to carry it through the pipes. Because of the more rigorous demands of digital image manipulation, more than a basic laptop computer will be needed.

Essential operator skills may be redefined and limited to unit configuration, connection, introduction and retrieval, and basic operation validation. Asset owners can conduct inspection assessments in their own office the following day, although when faced

with an urgent need for condition assessment, that process could begin even while the transporter is being retrieved.

The DUC brings asset owners a variety of deployment and information management options.

Manufacturer's comments

CUES vice president of sales Paul Stenzler noted that "the DUC, with eight times greater picture resolution, is a new generation of high-definition video inspection camera; it is a major departure from the traditional analog technology.

"Typically, the digital data is recorded in a single uninterrupted pass without operator-directed stop and look, pan and

tilt actions. This continuous data gathering process can increase productivity by a factor of five."

Stenzler says analysis of high-quality images results in fewer condition assessment errors like missed or mismeasured defects. "Offsets and sags are easily recognized after the images have been unfolded and are presented, flattened on screen. Analysis advances from defect to defect by mouse click. Defect-free sections are bypassed instantly.

"The DUC can be mounted on most CUES Legacy transporters, making the transition from analog to digital data an appealing opportunity to increase accuracy and productivity while lowering operation costs." ♦

LinkoCTS
Compliance Tracking Software

LinkoFOG
Fats, Oil & Grease Software

Industrial Pretreatment Software
And
FOG Software
For
Municipal Wastewater Plants
And
Collection System Agencies

Linko
DATA SYSTEMS

877.546.5699 LinkoDataSystems.com

WANTED:
Manufacturer's Representatives

Manufacturer's reps with proven sales experience and background in selling into the water and sewer utilities markets. Help us expand and get this revolutionary, new product into the pipeline!

VISIT: Trace-Safe.com
CALL: NEPTCO 1-800-354-5445 x1721
EMAIL: lshelton@neptco.com

www.Trace-Safe.com

ADAPT-A-VALVE™ INSPECTION CHAMBER

Advantages and Benefits

There are many advantages and benefits for municipalities using our Inspection Chambers, including:

- Easy identifications of sewer locations
- Reduced maintenance calls due to callouts where private property owners claim a municipal blockage
- Allows municipality to determine if blockage is on municipal or private property.
- Repairs without costly or unsightly damage to property
- Easy access for flusher trucks, rodder or camera crews
- Access for inspection in situations of infiltration problems, root build up or root control
- Expense of Inspection Chamber is born during initial development.
- RISK MANAGEMENT: eliminates the need for city personnel to enter private or residences to access city portion of sewer lateral for maintenance, repair or inspection
- Chamber allows "Sampling" of sewers

ADAPT-A-VALVE™ INSPECTION CHAMBERS

More than just a "Sewer Access"

PATENTED ADAPT-A-VALVE™ TECHNOLOGY

Extendable Cassette Technology allows Chamber Body to be converted to:

- "Normally-closed" or "Normally-open" protection
- "Test Gates" allows chamber to be used as a pressure test device or as an "isolation" or "Sewer Shut-off" Valve

Lid Collar

Cassette Extension Handle allows "Easy Ground Level" access at any Depths

toll free: 877-734-8691

www.backwatervalve.com

S.T.E.P. For "Septic Tank Eliminaiton Programs" or when "replacing Sewer Laterals" Protect against backflow by installing the "Adapt-a-Valve™" series "Inspection Chambers or backwater Valves"



Storm Tractor



Lateral Launch



conductor
THE SINGLE SOLUTION



www.rstechserv.com

FROM LATERLS TO MAINLINES TO STORM DRAINS...

Productivity + Power for all your inspection needs

- Cameras
Pan & Tilt, Zoom, Lateral, Panomorphic
- Tractors / Transporters
Wheeled, Track and Steerable
- Laser & Sonar Profiling
- Jet Cam Systems
- Vehicles & Trailers
- Software

For more info call or visit us online today



800.767.1974

sales.info@rstechserv.com

RS Technical Services Inc.
Design and Manufacture of Video Pipeline Inspection Systems

OVERSIZED HOLE SAWS

Diameters up to 36" • Depths up to 24"

Saw Types

- Carbon Steel for Corrugated Plastic
- Bi-Metal for Solid Plastic Pipe
- Carbide Tip for Ductible Pipe

CUSTOM
Hole Saw
Technologies, Inc.

www.customholesaw.com
Custom Holesaw Technologies
Silveron, OR 97381 • 503.873.6101

This Is The Nozzle You've Been Waiting For
Patented
Root Rat
MADE IN THE USA
root cutter nozzle

"I specialize in root extraction and own 2 sizes of Root Rats and have found them to be superior in performance." — Jeff, Jasco Inc



3/4-1" 40-160 gpm/1500-4000 psi

1/2" 7-35 gpm/1500-10,000 psi

Chempure Products Inc.

1-800-288-7873 International: 330.874.4300

Visa, Mastercard, Discover, Amx Accepted

Root Rat Combo Kit

3/4 - 1 inch root rat combo kit.

Chempure's Hot Box

Turns your cold water jet hot

Custom Built Jetters

All sizes of jetters

www.chempure.com

What Makes **HOBAS**® The Standard?

Precision centrifugal casting, consistent high quality, fiberglass-reinforced, polymer mortar pipes

Responsive customer service, on-site field reps backed by extensive engineering support



HOBAS®



- Time Proven**
- Leak Free**
- Long Lasting**
- Corrosion Resistant**
- High Strength**
- Quick, Easy Installation**
- High Flow Capacity**



HOBAS PIPE USA
281-821-2200
www.hobaspipe.com

BRIDGING THE COMMUNICATION GAP

Social media can help employees get the message — and spark engaging conversations

By Ken Wysocky

For organizations where the weekly or monthly newsletter is still the gold standard of internal communications, here's something to ponder, in fewer than 140 characters, no less: social media can be a highly effective way to develop ongoing, engaging dialogue with employees.

It's not that the "dead-tree" newsletter has completely gone — or should go — the way of carbon-paper copies and electric typewriters. But to more effectively communicate with employees these days, particularly younger workers, organizations should consider augmenting their traditional methods of reaching out with social media like micro-blogs, Wikis and Twitter.

A recent survey performed by the Society for Human Resource Management estimates that 20 percent of companies use social media for internal communications. As such, there are plenty of organizations that are "ripe for the social-media picking," says Amanda Laird, a consultant at Maverick PR in Toronto, Ont.

"Social media is not a silver bullet to cure communication problems, but it can be used in conjunction with other methods, from newsletters to bulletin boards in lunchrooms," she explains. "Better isn't necessarily a good word to use, but social media can help bridge some gaps and complement more traditional means of communication."

As an example, Laird points to a former client she worked with where research showed employees

were not reading a 1,200-word weekly newsletter. But when the organization complemented the newsletter with a micro-blogging platform — sort of like Twitter, but based inside the company's firewalls — to communicate internal messages, employee engagement increased.

"Employees found it easier to digest when they received one or two lines of high-level, pertinent information," she says. "We used it for everything from communicating sales wins to asking employees not to eat other employees' lunches to promoting the next 'town hall' meeting."

Bottom-up, not top-down

One of the primary benefits of

One of the primary benefits of social media is that it provides an alternative to top-down communication, where an executive or the human resources department sends messages from on high to employees.

social media is that it provides an alternative to top-down communication, where an executive or the human resources department sends messages from on high to employees. For example, micro-blogging, in which small pieces of digital content are posted on a company's intranet, makes it easy for employees to weigh in on topics and share information.

"It empowers everyone to communicate and makes employees feel more engaged," Laird says. "When a former employer of mine

introduced Chatter, which is sort of like a cross between Facebook and Twitter (see www.salesforce.com for details), we saw more people submitting content to our traditional newsletter.

"We also saw more employees conversing with each other, and not just with their buddies," she continues. "It generated more inter-departmental communication ... broke down those silos. Sometimes it was just simple tips and tricks, but we'd never seen that kind of interdepartmental communication before. People communicated within their teams before, but it wasn't cross-functional."

Laird says the employer also encouraged collaboration via a so-called Wiki, which is an internal

website developed for a community of users that allows them to easily add/edit contributed content.

"You can build one inside your firewall on your intranet or an internal server," she explains. "It's dynamic, so if you update it, everyone else that has access to it sees updates in real time. It's a great way for teams and people to work together."

Blogs also have a place in the social media toolbox. But since they more resemble an intranet or Internet version of a weekly newsletter,

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.

they're considered a one-way form of communication and not as collaborative as Wikis, Laird says.

Keep content fresh

On one hand, social media is just like any other form of internal communications, in that it shouldn't be used just for the sake of using it. It should have a clear strategic focus, and implementers should be sure their workplace culture provides fertile ground for acceptance. If the general workforce doesn't have access to smartphones or computers, for instance, social media won't fly, Laird notes.

But once an organization commits to a social-media communications program, it's important to factor in the time it will take to keep the digital-content pipeline full, she warns.

"The great thing about social media is that the only barrier to entry is time, plus it's free and easy to adjust your strategy," Laird says. "But if you don't have time to update a Wiki, or blog regularly, or update this week's podcasts, then it won't work. Consistency is the key to success. So often, people forget to think about the time aspect."

Moreover, implementers should remember a simple rule: content is king.

"It's hard to get around the fact that health and vision benefits aren't sexy subject matter," Laird says. "But using social media, like a blog post, won't help at all if it sounds completely robotic. If there's no imagination or personal voice

to it, people won't listen. There's a reason people call it social media. It needs to be social.

"You really need to tap into people's personalities and let them show through in communications," she continues. "Or try something as simple as adding a picture or an audio clip to make things more engaging."

Employees crave contact

Another compelling reason to use social media: If organizations don't give employees a place to communicate with each other, they'll create one on their own, either at the water cooler — or something much more sophisticated and widespread. As an example, Laird points to a large, well-known electronics retailer whose employees developed a website to complain and gossip about things.

"Luckily someone found the website and had the foresight to

harness employees' appetite for connecting online," she says. "They launched their own internal forum that eventually led employees to shut down the (negative) website. The company realized they had to tune into employees and listen to what they had to say."

Using social media for internal communications is also a useful recruiting tool for attracting younger employees, Laird points out, noting that social media has become an integral part of how they live.

"As younger people seek jobs, they're going to seek out organizations that communicate the way they understand communication," she says.

In other words (and in less than 140 characters), let the microblogging begin — and get the conversation started. ♦

LIFE IS COMPLICATED. OUR RECEIVER IS NOT.



OUR LF2200 RECEIVER MAKES TRAINING SIMPLE!

- WORKS WITH ANY SONDE OR LINE EXCITER, FROM 16 HZ TO 100 KHZ
- LESS INTERFERENCE FROM POWER-LINE NOISE
- MODULAR DESIGN FOR EASY UPDATES
- AUTOMATIC DEPTH READOUT—DEEPER THAN EVER BEFORE
- STRONGER UNI-BODY HANDLE
- MORE SENSITIVE WORKS DEEPER
- 3 SOURCES OF FEEDBACK: SCREEN, VIBRATING HANDLE AND SPEAKER



CALL US TO FIND OUT HOW
WE CAN HELP SIMPLIFY
YOUR BUSINESS LIFE.

TRENCHLESS PIPE REPAIR WITHOUT DIGGING.

Now offering Perma-Patch Kits with
FAST CURING Silicate Resins!

Repair Kit Sizes:

2' repairs from 3" to 24"
4' repairs from 4" to 24"

Each Kit Includes:

- Two-Part Ready To Mix Resin Bag
- Bladder Protection Sleeve
- Fiberglass Mat
- Trowel
- Ground Protection
- Hand Protection Gloves
- Zip Ties
- Perma-Patch Instructions
- Complete Equipment Packages

Also Available

Installation Bladder, Hose Reels, Push Rods & more



Visit www.perma-liner.com
Call 1-866-336-2568

**PERMA-LINER
INDUSTRIES, INC.**



Prototek

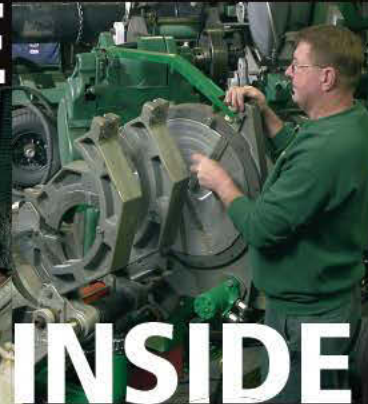
800-541-9123

Web: www.prototek.net

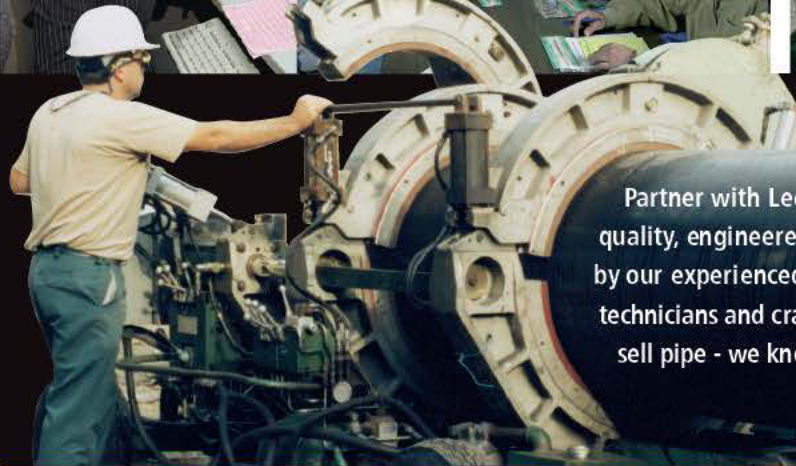
Email: prototeksales@prototek.net



WE KNOW PIPE



INSIDE & OUT.



Partner with Lee Supply and receive quality, engineered products backed by our experienced sales staff, trained technicians and craftsmen. We don't just sell pipe - we know pipe INSIDE & OUT!



1.800.353.3747
www.leesupply.com

ENERGY ■ MINING ■ MUNICIPAL ■ INDUSTRIAL ■ ENVIRONMENTAL

Putting the latest technology in the palm of your hand.



Trust the industry leader for consistent innovation.

For over 30 years now, Ratech Electronics has been at the forefront in the development, manufacturing and servicing of CCTV video pipeline inspection camera systems and equipment. Serving the municipal, industrial, and residential markets, our innovative products are created and manufactured with the quality and durability industry professionals demand.



Staying ahead of your customer's needs.



For more information on these or other products call toll free: 1-800-461-9200 or 905-660-7072 or visit ratech-electronics.com

Ratech
ELECTRONICS
Video Pipeline Inspection Systems

Upload your inspection videos to **YouTube** Ask us HOW?

Twitter Follow us on Twitter @RatechCam

Best Products, **Best** Local Support 800.323.1604



sewerequipment.com



ram-vac.com



mongoosejettters.com



sewershop.com

TACKLING THE ISSUES

Survey reveals biggest challenges facing trenchless industry in the coming years

By Ted DeBoda, P.E.

At the National Association of Sewer Service Companies (NASSCO), we are constantly evaluating how we perform as it pertains to our mission: to set industry standards for the assessment and rehabilitation of underground pipelines, and to assure the continued acceptance and growth of trenchless technologies.

One of the ways we do this is through ongoing research. In May of this year we launched an online survey for all NASSCO members, as well as nonmember engineers, municipalities and contractors who are aligned with the sewer and wastewater segments.

Results showed that, among NASSCO members, the most noted value of NASSCO membership continues to be found in two main areas: the ability of members to participate in educational oppor-

tunities and training; and networking with peers and other associates. When asked why members renew their membership year after year, these two responses were noted once again, confirming that NASSCO delivers when it comes to education, training and networking.

In addition to understanding how we can improve service to our

number of respondents noted the following challenges to our industry as those they would like to see addressed in the short term:

- Greater acceptance of trenchless technologies as a viable solution
- Wider acceptance of water main rehabilitation
- Combining PACP with criticality

Results showed that, among NASSCO members, the most noted value of NASSCO membership continues to be found in two main areas: the ability of members to participate in educational opportunities and training; and networking with peers and other associates.

membership base, we also wanted to know what the trenchless industry as a whole viewed as the industry's top challenges in the next two years. Aside from obvious funding issues and aging infrastructure, a

- Lack of competent, trained labor
- Availability of large-sized pipe
- Educating customers/engaging public support
- Quality of installations

NASSCO (National Association of Sewer Service Companies) is located at 11521 Cronridge Drive, Suite J, Owings Mills, MD 21117; 410/486-3500; www.nassco.org

- Training in new technology
- Maintaining standards

We also asked NASSCO members which of our 13 individual committees most appealed to them. Two committees were chosen most frequently:

- Wider acceptance of water main rehabilitation Asset Management: Condition Grading and Consequences of Failure
- Wider acceptance of water main rehabilitation Industry Standards: Update of CCTV and Cleaning Specifications

Based on the responses, it appears these two areas also pose concerns for our industry and are initiatives where trenchless professionals feel their time and resources are needed.

To all of you who took the time to answer our survey, thank you. We listen to our members and nonmembers alike and take your responses very seriously. You, after all, are on the front lines and see what is happening in the trenches, day in and day out.

In the coming months, as we continue to develop our strategic plan to make NASSCO an even better resource for the underground industry, we will dive deeper into these findings and explore areas where we can focus our attention to set industry standards for the assessment and rehabilitation of underground pipelines and to assure the continued acceptance and growth of trenchless technologies.

To view the complete research summary, please visit www.nassco.org. ♦

Ted DeBoda is executive director of NASSCO. He can be reached at director@nassco.org.



Get the EDge.

Training and Continuing Education Courses

PACP/MACP/LACP

October 8-10, 2012

Twinsburgh (Cleveland), OH
Includes Manholes and Laterals!
Jack Doheny Companies Open House
Equipment/Training Show
(October 11, 2012 - ALL INVITED)
Trainer: Brandon Conley

For more information or to register contact
Kay Doheny at 248-939-3220 or pacp@doheny-supplies.com

October 15-17, 2012

Owings Mills, MD
Includes Manholes and Laterals!
For more information or to register contact Dawn
Jaworski at 410-486-3500 or dawn@nassco.org

October 16-18, 2012

Covington, GA
Includes Manholes and Laterals!

For more information or to register contact John
Jones at 404-431-5584

November 12-14, 2012

Owings Mills, MD
Includes Manholes and Laterals!
For more information or to register contact Dawn
Jaworski at 410-486-3500 or dawn@nassco.org

November 13-15, 2012

Northville, MI
Includes Manholes and Laterals!
Trainer: Brandon Conley
For more information or to register contact
Kay Doheny at 248-939-3220 or pacp@doheny-supplies.com

November 13-15, 2012

Covington, GA
Includes Manholes and Laterals!
For more information or to register contact John
Jones at 404-431-5584



Your Source for Sewer Plugs and Testing Equipment

Cherne has all the plumbing and underground sewer plugs and testing equipment you need:

- > Inflatable Plugs
- > Mechanical Plugs
- > Testing Accessories
- > Deflection Gauges
- > Joint Testers
- > Sewer Air Test Equipment
- > Smoke Testing Equipment
- > Manhole Testers
- > Manhole Accessories
- > Hydrostatic Test Pumps



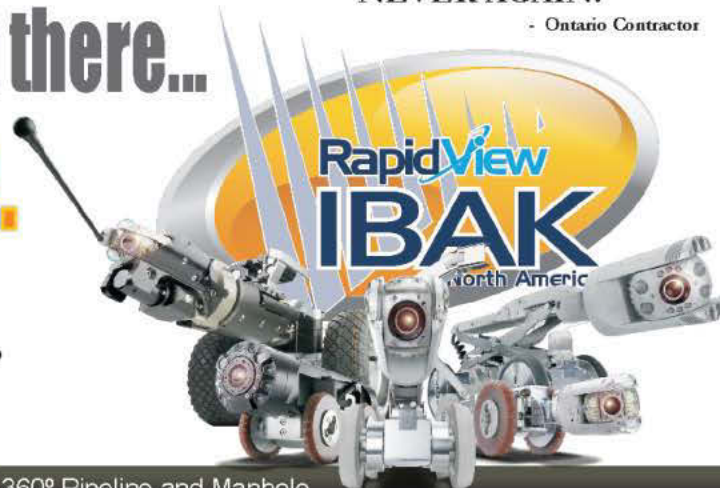
**We're not saying we have the best equipment and service out there...
Our customers are.**

"We used to spend thousands of dollars a month on repairs, NEVER AGAIN!"

- Ontario Contractor

"This is simply the best piece of equipment we've ever bought."

- Pennsylvania Municipality



Mainline | Drainline | Lateral Launch | Laser Profilers | PANORAMO 360° Pipeline and Manhole

IBAK has been working for over 50 years to make your job safer and give you less headaches at the end of the day. Our pipeline inspection equipment is *not* the cheapest equipment you can buy, but we will guarantee you it is the highest quality, most reliable investment you can make. We have the industry's largest research and development team with over 15% of IBAK devoted entirely to new product development. Adherence to core principles of quality and technological innovation have driven IBAK to remain the industry leader since we invented sewer cameras in 1957. Call us or visit www.rapidview.com to find a dealer near you!

(800) 656-4225 | www.rapidview.com

VACTOR
Subsidiary of Federal Signal Corporation

REBUILD

No budget for new equipment? Consider the next best thing.

The Vector Manufacturing and authorized dealers' Factory Authorized Rebuild Program includes:

- X An all points inspection
- X Genuine OEM replacement parts
- X Extended warranty on parts
- X Repairs/rebuild completed by factory trained technicians
- X 10% discount on parts*

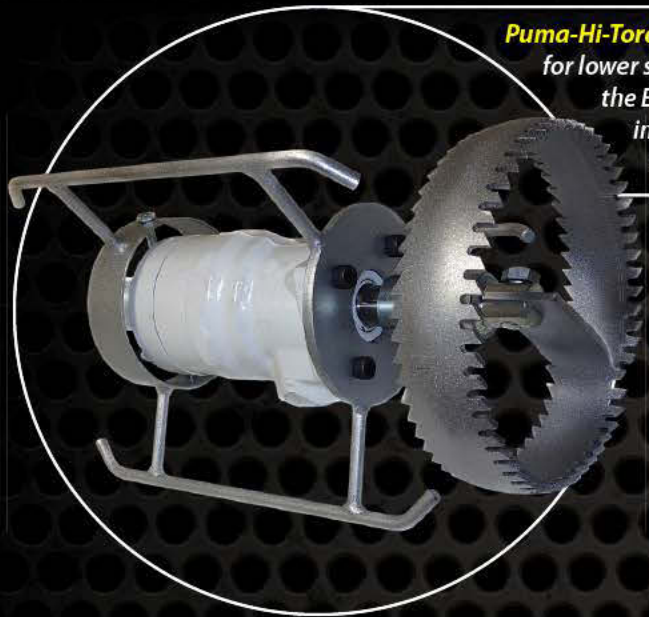
Call your local Vector dealer or visit www.vactor.com
We will have you up and running *just like new.*



*Subject to dealer participation ©2012, Vector Manufacturing

SOUTHLAND TOOL MFG. INC.

Building Innovative Tools for Municipalities



Puma-Hi-Torque Root Cutter. This hydraulic motor packs a punch with over 235 ft/lbs of torque. Made for lower speeds around 400 rpm, it grinds and churns away at obstructions in its path. Shown with the EZ Triangle Skid System, changing sizes is easy and fast. Each skid has the size stamped into the front mount plate for ease in identification. Available alone or in a kit with 4 saws, 4 skids, hub, wrench and turning tool and tool box.

Southland Tool can supply your Hydraulic root cutter with the necessary tools you need. Here is our **PVC Tap cutter** that is available from 6" to 18". These cutters have a thick back plate and barrel along with nice sharp hardened teeth allowing cuts through protruding PVC laterals quickly.



Sewer spoons by Southland Tool are made with Ash wood handles with a treated alloy steel spoon for the toughest sewer work. They are available in 6', 12', 18' and 24' lengths. All couple together with strong steel connections. UPS-able for economical shipping.



Southland Tool **Diamond Tap Cutter** for use with your Hydraulic Root Motor. This tool cuts a lateral line through cast iron, rebar, anchors, clay tile, and concrete laterals protruding the sewer line. Diamond Segments are repairable, just send us back the cutter and we will repair at no extra charge. Available with 1" or 5/8" hub for sewers from 6" to 18".

Look for the **Stamp of quality** in your tools and know that they are backed up with an 100% iron-clad guarantee that assures you of a Hi-quality product. Our Logo The Puma Head is indelibly stamped into the steel.



- Southland tools also carries a large inventory of other items including:
- SEWER RODS • DEBRIS BASKETS • GRABBERS • HANDY CLAMS •
 - CORKSCREWS • AUGERS • NOZZLE EXTENSIONS • HYDRO CUTTERS •
 - SPOONS • DEEP-VAC HOLDERS & more!

STORMWATER MANAGEMENT

By Briana Jones

Camera/crawler unit

The **Cobra V10 C310** camera from **Cobra Technologies** is a short pan, tilt and zoom camera and 6-inch crawler combination for relined 6-inch pipe. Used with the Cobra C601 crawler, the camera can operate in relined 6- through 24-inch pipes. The 18-inch-long camera/crawler unit provides a compact assembly to avoid protruding laterals.



The stainless steel camera features automatic iris, focus, zoom and Luxeon lighting modules capable of lighting 36-inch-diameter pipe. The lighting operates on the camera power supply, eliminating the need for light head controls. The rotate and pan are capable of 360-degree continuous rotation. High-traction carbide wheels are available. Wheels can be added using a single point connection allowing for quick change for pipe sizes through 24 inches. The unit can be installed on any multi-conductor system. The camera can be used with any of the Cobra crawlers and is available with a conventional 3-inch body for use on industry standard multi-conductor systems. **800/443-3761; www.cobratec.com.**

Manhole antenna cover systems

Manhole antenna cover systems from **ELAN Technologies** are designed for communicating with underground utility infrastructure. The system simultaneously collects, monitors and controls data from multiple devices and sensors (flowmeter, ultrasonic level sensors, floats, pumps, rain gauges), providing real-time detection of faults in electric vaults. The SCADA IN-A-BOX extreme low power RTU (remote terminal unit) measures six analog signals and 16 discrete inputs. Alarm management and data logging report all live conditions and historical data to SCADA, cellphones and data management systems using FTP, SMS and standard SCADA protocols. **815/463-8105; www.elantechnologies.net.**



Passive subsurface irrigation

The **Environmental Passive Integrated Chamber (EPIC)** from **Firestone Specialty Products** is an onsite water management and reuse system that enables stormwater runoff from impervious surfaces to be collected, filtered, retained and distributed below ground at the water's source. The system brings together passive subsurface irrigation, water storage and



filtration in a single, customizable solution. It uses capillary rise and gravity to provide controlled water management.

The technology can decrease or potentially eliminate a facility's reliance on municipal water for irrigation purposes and improve best management practices (BMPs) with minimal system maintenance and management. The system uses local sand and gravel to filter and delay stormwater runoff prior to its entrance into city storm sewers or downstream bodies of water. **800/428-4442; www.firestonesp.com.**

Pipe leaching system

The **GEO-flow** HDPE pipe leaching system from **Advanced Drainage Systems (ADS)** is designed for use wherever a conventional septic tank and pipe and gravel leachfield system may be used. Easily transported and able to be installed in difficult areas, the system combines a 10-inch-diameter, single-wall high-density polyethylene (HDPE) corrugated pipe, surrounded in a polypropylene grid, both encased in geotextile fabric. The design creates equal distribution and enhances biological reduction of wastewater before it leaves the gravelless pipe system.



The equal distribution cools the effluent as it passes through, aids in the separation of foods, oils and greases from wastewater and provides additional treatment of solids that may escape the septic tank. The symmetrical grid separates the geotextile wrapping from the pipe, increasing the total surface area of the fabric available for biomat formation. The wrapping creates an additional layer for biomat activity, while using capillary action to wick effluent into the surrounding soil. **800/821-6710; www.ads-pipe.com.**

Backup system

The **ReliaPrime** emergency bypass station from **Gorman-Rupp Co.** operates on natural gas, making it quiet and environmentally friendly. The unit features a 6-inch Super T Series pump capable of passing 3-inch spherical solids and offers a soundproof, lightweight aluminum enclosure. The enclosure has padlocked door panels and can be removed for maintenance. The unit is a complete backup package, ready for hookup. **419/755-1011; www.grpumps.com.**



Portable flowmeter

The **OPTISONIC 6400** portable ultrasonic flowmeter for liquids from **KROHNE** measures flow velocity, current volumetric flow and a variety of diagnostic values. The flowmeter consists of a compact evaluation unit and one or two rails, each equipped with two ultrasonic sensors. Rails are available in a variety of sizes to accommodate different tube diameters, from 1/2 to 160 inches. The flowmeter is powered by an integrated battery with 14 hours running time or line-powered with supplied adapter. Readings are displayed on a color graphic LCD screen. **800/356-9464; www.us.krohne.com.**



Line stop plugging systems

Multi-Flex line stop plugging systems from **Petersen Products** are designed for insertion through a small hot tap into a larger pressurized pipeline. The 128 Series installs a plug downstream of the tap, allowing bypass through the hot tap or nozzle insertion point, enabling flow to continue and reduce the buildup of head pressure. The 129 Series installs directly below the hot tap or nozzle and can be made for much higher pressure than the 128 Series. Custom configurations are available. **800/926-1926; www.pipeplug.com.**



Readings are displayed on a color graphic LCD screen. **800/356-9464; www.us.krohne.com.**

Double clarification

The **BIOACTIFLO** system from **Kruger USA** combines contact stabilization and microsand ballasted clarification to produce high-quality treatment of wet-weather flows. Return activated sludge (RAS) from the existing clarifiers is combined with the excess flows into a solids contact tank. A targeted mixed liquor suspended solids (MLSS) concentration is maintained in the contact tank to facilitate rapid uptake of soluble biological oxygen demand (BOD) via contact stabilization followed by ACTIFLO clarification.



The combination of the two results in total BOD removal in excess of 85 percent, greater than 95 percent TSS removal and total phosphorus levels of less than 0.15 mg/L. Existing ACTIFLO installation for wet-weather flows can be converted to BIOACTIFLO and the ACTIFLO train can also be used for tertiary treatment during dry-weather flows. **919/677-8310; www.kruggerusa.com.**

The combination of the two results in total BOD removal in excess of 85 percent, greater than 95 percent TSS removal and total phosphorus levels of less than 0.15 mg/L. Existing ACTIFLO installation for wet-weather flows can be converted to BIOACTIFLO and the ACTIFLO train can also be used for tertiary treatment during dry-weather flows. **919/677-8310; www.kruggerusa.com.**

Level transmitter

The **PMC VersaLine** model **VL4500** level transmitter from **Process Measurement & Controls** features ± 0.1 percent accuracy and molded cable.



Made for long-term submersion in wells or runoff pipes, the unit provides reliable monitoring of surface water. The titanium-housed unit is available in various electrical configurations including 4-20 mA, 0-5 VDC, RS485 or SDI-12. The transmitters operate on the hydrostatic pressure principle, and by selecting products with the correct construction and taking the appropriate installation precautions, they can provide years of maintenance-free service.

Data logger and wireless communications models are also available. No breather tube is required. The key to long-term success is the installation and more specifically the breather termination. No breather is required with the added expense of a surface-mounted barometric sensor. For the more common and accurate transmitters incorporating the breather, there are a number of methods to provide up to 12 months protection, such as desiccant. The PMC MP11 bladder is also available for zero maintenance. **800/869-5747; www.pmc1.com. ♦**

Matchbox-size data logger

The matchbox-size **HOB0 UX90** motor on/off data logger from **Onset Computer** has an LCD-display for monitoring the run times of motors, pumps, compressors and other equipment. The logger records up to 340,000 equipment on/off cycle changes and uses analysis software (runs on PC or Mac) to convert recorded data into time- and date-stamped graphs. The logger attaches to motor housings via built-in magnets and without wiring. The display confirms operation, while a signal strength indicator ensures proper placement. **800/564-4377; www.onsetcomp.com.**



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

Treatment Plant MAINTENANCE MADE EASY



Made in
USA

weftec2012
Booth 1019

360°
**Portable
and
Affordable!**

Be a hero and take command of your treatment plant maintenance with a Commander Davit Crane by Thern.

- Safely and easily lift:
- Aerators • UV Panels
 - Pumps and Mixers • Trash Baskets • Manhole Covers
 - Virtually anything weighing up to 3,000 lbs. and beyond

To see our complete line of davit cranes and winches visit us online at www.thern.com

THERN 1-800-843-7648
5712 Industrial Park Road,
Winona, MN 55987

LEAVE THE HEAVY LIFTING TO US

Small Package

Sunlight Readable
Touch Screen Monitor



Up to 750 ft of
8mm cable

Weighs 130 pounds

Big Performance

Totally Portable

Full Data Collection

All the functionality of a truck mounted system
Compact go-anywhere package

Operate as a portable system or mount to vehicle

Runs any Cobra 6" or 8" Crawler/Camera
combination with elevator



Call Cobra Today!



www.cobratec.com 800.443.3761 sales@cobratec.com

**Designed from the ground up
knowing you work from the ground down.**

AQUATECH
A PRODUCT OF **HEVIC**
CORPORATION



Aquatech® systems allow man and machine to work in harmony to achieve optimum efficiency and productivity. No wonder Aquatech is the clean winner in every category. To learn more, call or visit us online.

800.752.2400 www.aquatechinc.com/cle

AQUATECH **O'BRIEN** **HiVac** **ultraVac** **X-VAC**
HYDRO EXCAVATOR

Infusion device reduces hydrogen sulfide

Problem

Hydrogen sulfide concentrations at a municipal outfall in southern Arizona averaged 340 ppm with peaks of 3,400 ppm.

Solution

Workers tapped into the 2-mile force main at the wet well and downstream from the check valve to install the **FORSe 5 odor and corrosion control system from Anue Water Technologies**. They diverted a fractional flow to the infuser, which treated it with oxygen and ozone, then returned it to the force main.



RESULT

Liquid grab samples measuring total sulfides showed untreated levels at 17 mg/L, but treated samples at less than 0.2 mg/L, a 99 percent reduction. Vapor measurements showed hydrogen sulfide levels at less than 10 ppm. **760/476-9090; www.anuewater.com.**

Mixers restore cypress swamp

Problem

Greenfield Lake, a cypress swamp and popular recreation area in Wilmington, N.C., turned the color of pea soup when blue-green algae over-multiplied. The shallow, 100-acre reservoir is primarily fed by stormwater via several drainage pipes.

Solution

City officials installed four **SBI0000v12 solar-powered mixers from SolarBee**, which created enough horizontal and vertical water movement to disrupt the blue-green algae. The gentle mixing action suspended beneficial green algae near the surface where cells received sunlight and thrived, keeping levels of algae, zooplankton, fish, dissolved oxygen and pH in balance.



RESULT

Within two months of installing the mixers, officials reported the lake looking better than it had in recent history. Fishermen returned and canoe rentals doubled. Greenfield Lake is now a healthy reservoir. **866/437-8076; www.solarbee.com.**

Cast mortar liner rehabilitates pipe

Problem

Workers from Republic Services in San Diego, Calif., noticed severe erosion around the inlet of a 48-inch corrugated metal pipe running 8 to 20 feet below grade at the Otay Landfill. An inspection revealed 200 feet of failing pipe.

Solution

The owners hired **AP/M PERMAFORM to rehabilitate the line with Centri-Pipe**, a system that uses a spincaster to centrifugally cast a 1.25-inch-thick fiber-reinforced concrete liner. Workers applied PL-8000 mortar in three passes. During each application, the operator in the pipe visually confirmed adherence and layer thickness, adjusting the withdrawal speed as needed.



RESULT

The rehabilitation, completed in eight days, does not impede hydraulic capacity. "Centri-Pipe was a huge savings over other lining systems and the quality of the structural lining exceeded our expectations," says a Republic Services spokesperson. "We'll be using the product on additional pipe as soon as our budget allows." **800/662-6465; www.permaform.net.**

Trapping device skims debris from waterways

Problem

Stormwater from a combined sewer system serving 12,955 acres of Washington, D.C., conveyed more than 20,000 tons of litter to the Anacostia River annually. To manage the trash, the D.C. Water and Sewer Authority ran skimmer boats on the river, but the efforts were insufficient to comply with state clean water regulations going into effect in January 2010.



Solution

In 2009, the authority installed a 5- by 22-foot-long **Bandalong Litter Trap** in the lower tidal reach of Watts Branch in the deepest and widest part (40 feet) of the tributary. The floating device uses river currents to guide and capture litter.

RESULT

In the first 12 months, the trap collected 6,000 pounds of trash with a monthly average of 500 pounds. In 2011, it collected more than 9,000 pounds of debris. In 2012, the authority purchased two more litter traps. **888/730-5819; www.stormwatersystems.com.** ♦



GPM IS PROUD TO INTRODUCE THE SEWER DUCK™

This exclusive Jetter is custom built to any customer's needs and expectations. It is a high performance Jetter designed to take care of any pipe cleaning demands.

- We custom build The Sewer Duck to fit your needs
- More Cummins engine options available, including CNG
- Manufactured parts available for purchase separately
- Multiple cold weather options available
- Myers E80-25 & the D65-20 available

CALL US AT 630-543-7373 TO ORDER YOUR CUSTOM SEWER DUCK

Turn to GPM. We're your one-stop shop and the preferred dealer for Autocar, Myers Aplex, Allison Transmission and Cummins parts for light, medium and heavy-duty trucks.

KEEPING YOUR TRUCKS IN BUSINESS IS OUR BUSINESS.

GPM Pump & Truck Parts, Inc. is a leading supplier of parts for all Class 6-8 makes and models of trucks, including garbage trucks and vacuum & Jetter trucks. We stock most hard-to-find parts, and if we don't have it, we'll find it and ship it anywhere – nationwide and on time.

CALL US TODAY: (630) 543-7373

WE CARRY THE FOLLOWING & MORE...

- Bendix Brake Valves & Air Driers
- Buyers Products
- Cummins Engine Parts
- Delco Remy Alternators
- Delco Remy Starters
- Duralite Charge Air Coolers
- Fleetguard Filters
- Hendrickson Parts
- Horton Fan Clutches
- Leece Neville Products
- Lube Refiner Filters
- Meritor Brake Shoes
- Meritor Center Bearings
- Myers Regulators
- Myers Water Pumps
- Safety Lights
- Scotseals
- Spicer U-Joints
- Swivels
- Timkin Bearings



Myers APLEX INDUSTRIAL PUMP DIVISION

NATION'S LARGEST DISTRIBUTOR OF ALL MAKES & MODELS

Call For Pricing



ACTUS MANUFACTURING

720 SERIES ACTUATOR

\$320⁰⁰



OEM CONTROLS INC.

BJS-5M9361 JOYSTICK

\$270⁰⁰



TMi

SWIVEL JOINTS

Call For Pricing



SoundOff Signal

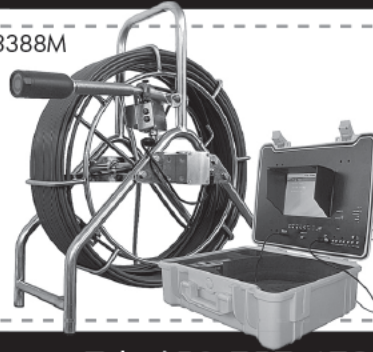
SOUND OFF LED LIGHTS

Call For Pricing

PRODUCT OF THE YEAR 2012 FROM FORBEST

The Product of the year from Forbest is a **Sewer/Drain Camera FB-PIC 3388M** which the cable reel is the smallest equipped with an **electronic meter counter** in the world. It has a self-leveling camera head which can be upgraded to one with a built-in transmitter

FB-PIC 3388M



MAIN SPECS:

- 10" Color Monitor with DVD recorder
- Color Self-leveling camera with/without built-in transmitter
- 200 FT push cable with Meter Counter
- Heavy duty Waterproof case.



Forbest Products Co. • Tel: 650 757 4786 • Email: forbestusa@gmail.com

Legal Notice – Paid Advertisement

If You Purchased Municipal Derivative Transactions from January 1, 1992 to August 18, 2011

You Could Get a Payment for a Class Action Settlement.

A proposed Settlement has been reached with Wachovia Bank, now called Wells Fargo, defendants in a class action lawsuit that alleges price-fixing in the sale of municipal derivatives transactions by Wells Fargo and other companies. The case, *In re Municipal Derivatives Antitrust Litigation*, MDL No. 1950, No. 08-02516, is pending in the United States District Court for the Southern District of New York.

Who Is Included in the Settlement?

This Settlement includes all state, local and municipal government entities, independent government agencies and private entities that purchased:

- (1) Municipal derivative transactions through negotiation, competitive bidding or auction, directly from any Alleged Provider Defendant or Co-Conspirator or brokered by any Alleged Broker Defendant or Co-Conspirator,
- (2) Any time from January 1, 1992 through August 18, 2011 in the United States and its territories or for delivery in the United States and its territories.

The Defendants and Co-Conspirators are listed in the detailed notice available on the Settlement website.

What Does the Settlement Provide?

Wells Fargo will pay \$37 million as follows: \$20 million has already been paid into an escrow account and the remaining \$17 million will be paid later. This Settlement is only a partial settlement of the lawsuit because it only affects the claims against Wells Fargo. The lawsuit is continuing against other Defendants. Morgan Stanley has already settled. Wells Fargo will cooperate with the Class Representatives in the litigation that will continue against the other Defendants.

What Do I Do Now?

- **Remain in the Settlement.** To remain in the Settlement Class and participate in the Settlement, you do not have to do anything now. If the Court approves the Settlement, you give up the right to sue Wells Fargo for the claims in this lawsuit and you are eligible to receive a payment. Claim forms are not available now. Register on the Settlement website to receive a claim form when it becomes available. If you remain in the

Settlement Class, you still have the right to exclude yourself from any other Settlements reached in this lawsuit.

- **Exclude yourself from the Settlement.** If you do not want to remain in the Settlement Class, you must exclude yourself. You must send a written request for exclusion by first-class mail, **postmarked no later than October 19, 2012** to the Settlement Administrator. If you exclude yourself, you cannot participate in the Settlement, but you retain your right to sue Wells Fargo on your own for the claims in this lawsuit.
- **Object or Comment on the Settlement.** If you remain in the Settlement Class and want to object to or comment on the Wells Fargo Settlement or any part of it, you must file an objection with the Court and deliver a copy to Class Counsel and Wells Fargo **no later than October 9, 2012**.

When Will the Court Decide Whether to Approve the Settlement?

The Court has scheduled a hearing on December 14, 2012, at 2:00 p.m. at the United States District Court for the Southern District of New York, United States Courthouse, 500 Pearl Street, New York, NY 10007, to consider whether to finally approve the Wells Fargo Settlement as fair, reasonable and adequate, whether to approve Class Counsel's request for reimbursement of litigation expenses, and to consider any objections.

The Court has appointed the law firms of Hausfeld LLP; Boies, Schiller & Flexner LLP; and Susman Godfrey L.L.P. to serve as Class Counsel and represent all Class Members. If you want to be represented by your own lawyer, you may hire one at your own expense. You or your lawyer may ask to appear and speak at the hearing but are not required to. If you want to be heard by the Court, you must file a written notice of your intention to appear with the Court and deliver a copy to the Class Counsel and Wells Fargo **no later than October 9, 2012**. The Court may change the time and date of the hearing. Any change will be posted on the Settlement website.

Get More Information

For more information on this lawsuit, your rights, or to obtain a list of defendants, call or visit the Settlement website listed below or write to Municipal Derivatives Settlement, c/o Rust Consulting, Inc., PO Box 2500, Faribault, MN 55021-9500.

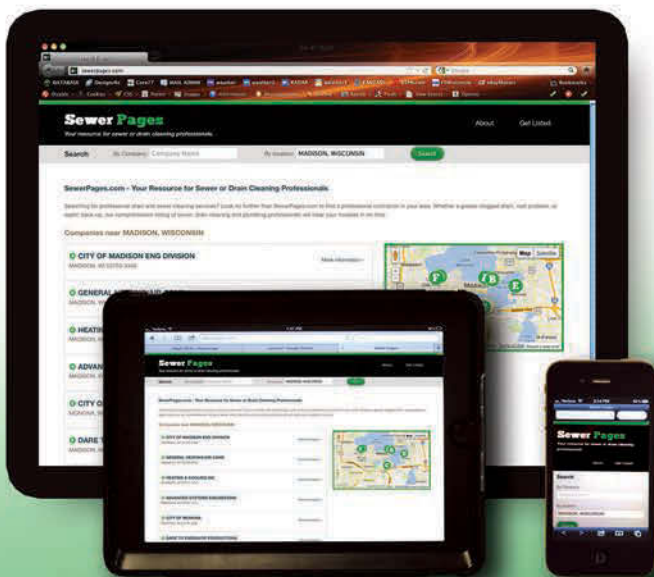
For more information: **1-877-310-0512** www.MunicipalDerivativesSettlement.com



THE PHONE BOOK IS DEAD.

▶ Your customers don't use the phone book...
...they use smart phones.

Join more than 41,500 service providers at SewerPages.com



- Free Basic Listing
- Mobile Phone Friendly
- Enhanced Listings Start at Only \$9/Month
 - Add Your Web Site
 - Add Your Company Logo
 - Add Service Locations

Monthly Packages

Annual Packages

Starting at \$59

Starting at \$599

Go to www.SewerPages.com/Cleaner for full details.

The following is the 2012-13 MSW Buyer's Guide — a convenient alphabetical directory and product category listing of manufacturers or suppliers (starting on page 66). Advertisers appear in blue and have the page number of their ad displayed beneath their listings. Please tell the companies you contact that you saw their listing in the Annual Municipal Sewer & Water Buyer's Guide! If you have any questions, please contact COLE Publishing at 800.257.7222 or 715.546.3346. You can also find us online at www.mswmag.com

ALPHABETICAL LISTINGS

3T Equipment Company Inc.

PO Box 7325
Santa Rosa, CA 95407
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tttequlp@yahoo.com
www.3tequlpco.com
Ad on page 53

A

A.W. Cook Cement

242 Amy Industrial Ln.
Hoschton, GA 30548
706-654-4706 • Fax: 706-654-3662
cookcement@windstream.net
www.awcookcement.com
Ad on page 111

Advanced Aquatic Products International, Inc.

18495 S Dixie Hwy., #161
Miami, FL 33157
800-738-7647 • 305-388-7195 • Fax: 305-388-7196
advaquaticprods@aol.com
www.hydro-cartridge.com
Ad on page 89

Advanced Drainage Systems, Inc.

4640 Trueman Blvd.
Hilliard, OH 43026
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

Advanced Valve Technologies, Inc.

800 Busse Rd.
Elk Grove Village, IL 60007
877-489-4909 • 847-364-3700 • Fax: 847-364-8883
avtkev@aol.net
www.avtfittings.com

Advanced World

3055 Kashiwa St.
Torrance, CA 90505
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Agri America, Inc.

500 Garrison Rd.
Georgetown, SC 29440
800-373-2478 • Fax: 843-527-2738
as@agriamerica.com
www.agriamerica.com
Ad on page 9

Amazing Machinery, Inc.

2288 Gunbarrel Rd., Ste. 154-151
Chattanooga, TN 37421
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com

American Highway Products, Ltd.

11723 Strasburg 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 77

American Shoring, Inc.

207 Lake St. Rte. 32
Newburgh, NY 12550
800-407-4674 • Fax: 800-361-1973
ajhull@americanshoring.com
www.americanshoring.com
Ad on page 13

AMT Pump (American Machine & Tool Co.)

400 Spring St.
Royersford, PA 19468
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtpump.com
Ad on page 110

Anua

PO Box 77457
Greensboro, NC 27417
336-547-9338 • Fax: 336-547-8559
Info@anua-us.com
www.anua-us.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 67

Applied Felts, Inc.

450 College Dr.
Martinsville, VA 24112
276-656-1904 • Fax: 276-656-1909
Info@appliedfelts.com
www.appliedfelts.com
Ad on page 23

Aries Industries, Inc.

550 Elizabeth St.
Waukesha, WI 53186
800-234-7205 • 262-896-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 37

Ashbrook Simon-Hartley

11600 E Hardy
Houston, TX 77093
800-362-9041 • 281-449-0322 • Fax: 281-449-1324
carlboyd@as-h.com
www.as-h.com
Ad on page 111

Avanti International

822 Bay Star Blvd.
Webster, TX 77598
800-877-2570 • 281-486-5600 • Fax: 281-486-7300
sales@avantigrout.com
www.avantigrout.com
Ad on page 18

B

Babbitt Bearing Company Inc.

1170 N 5th St.
San Jose, CA 95112
408-298-1101 • Fax: 408-998-4134
Info@bbcmachine.com
www.bbcmachine.com
Ad on page 113



BDP Industries, Inc.

354 Rte. 29
Greenwich, NY 12834
518-527-5417 • Fax: 518-695-5417
kelly@bdpindustries.com
www.bdpindustries.com

Best Management Products, Inc.

53 Mount Archer Rd.
Lyme, CT 06371
800-504-8008 • Fax: 877-434-3197
tjm@bmpinc.com
www.bmpinc.com
Ad on page 111

BESTechnologies, Inc.

7329 International Pl.
Sarasota, FL 34240
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Blackburn Manufacturing Co.

908 W Hwy. 275
Neligh, NE 68756
800-942-5816 • Fax: 402-887-5171
don@blackburnflag.com
www.blackburnflag.com
Ad on page 110

Bright Dyes

3334 S Tech Blvd.
Miamisburg, OH 45342
800-394-0678 • 937-886-9100 • Fax: 937-886-9300
sales@brightdyes.com
www.brightdyes.com
Ad on page 111

Bright Technologies

127 N Water St.
Hopkins, MI 49328
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
Julie@brightbeltpress.com
www.brightbeltpress.com

C



Cam Spray

520 Brooks Rd.
Iowa Falls, IA 50126
800-648-5011 • 641-648-5011 • Fax: 641-648-5013
gillespie@camspray.com
www.camspray.com
Ad on page 16

Canplas

11402 E 53rd Ave., Ste. 200
Denver, CO 80239
888-461-5307 • 303-909-1918 • Fax: 303-373-1923
denver.sales@canplas.com
www.enduralinterceptor.com

Central Oklahoma Winnelson

5037 NW 10th St.
Oklahoma City, OK 73127
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Chempace Corporation

339 Arco Dr.
Toledo, OH 43607
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
yhorvath@chempace.com
www.chempace.com
Ad on page 85

Chempure Products Corp.

PO Box 740
Bolivar, OH 44612
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
chempure@gmail.com
www.chempure.com
Ad on page 42

Cherne Industries, Inc.

5700 Lincoln Dr.
Minneapolis, MN 55436
800-843-7584 • 952-933-5501 • Fax: 800-843-7585
gdanaher@chernelnd.com
www.chernelnd.com
Ad on page 49

CIPP Services, LLC

PO Box 1635
La Salle, IL 61301
815-712-8708 • Fax: 815-220-1918
sales@cipp-services.com
www.cipp-services.com
Ad on page 91

ALPHABETICAL LISTINGS

Clean Water Works Inc.

1800 Bantree St.
Ottawa, ON K1B 5L6 Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdbrule@cwcanada.com
www.cwcanada.com

Cloverleaf Tool Co.

PO Box 1338
Tallest, FL 34270
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113



Cobra Technologies

4806 Wright Dr., Bldg. C
Smyrna, GA 30082
800-443-3761 • 770-435-8991 • Fax: 770-435-0402
sales@cobratec.com
www.cobratec.com
Ad on page 54

Cretex Specialty Products

N16 W23390 Stoneridge Dr., Ste. A
Waukesha, WI 53188
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
Info@cretexseals.com
www.cretexseals.com
Ad on page 81

"The Standard of the Industry"



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 16



Custom Holesaw Technologies, Corp.

379 Monitor Rd.
Silverton, OR 97381
503-873-6101 • Fax: 503-212-0205
jh@customholesaw.com
www.customholesaw.com
Ad on page 42

Cyclops Electronics, Inc.

123 Commerce Ave.
Boerne, TX 78006
830-249-9756 • Fax: 830-249-8535
cyclopstv@beecreek.net
www.cyclopstv.com

D

Duke's Root Control, Inc.

1020 Hlawatha Blvd. W
Syracuse, NY 13204
800-447-6687 • 315-472-4781 • Fax: 315-475-4203
lynn@dukes.com
www.dukes.com



40 Arnot St., Unit 20
Lodi, NJ 07644
973-478-0893 • Fax: 973-478-0895
dynamiccablerepairs@yahoo.com
www.dynamiccrepairs.net
Ad on page 113

E



Echologics
6295 Northam Dr., Unit 1
Mississauga, ON L4V 1W8 Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112

Eldred Environmental

1275 W 11th St.
Milan, IL 61264
800-613-3640 • 309-787-3640 • Fax: 309-787-3635
Info@fof-da-tank.com
www.eldredenvironmental.com

ENECON Corporation

6 Platinum Ct.
Medford, NY 11763
888-436-3266 • 516-349-0022 • Fax: 516-349-5522
Info@enecon.com
www.enecon.com

Environmental Coatings LLC

4702 E Virginia St.
Mesa, AZ 85215
480-984-7608
Info@sewershield.com
www.sewershield.com

Environmental Products & Accessories, LLC

PO Box 513
Hixson, TN 37343
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Envirosight, LLC

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



Enz USA, Inc.

1585 Beverly Ct., Unit 115
Aurora, IL 60502
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

Epoxytec International, Inc.

3000 N 28th Ct.
Hollywood, FL 33020
877-463-7699 • 954-961-4656 • Fax: 954-961-2395
msw@epoxytec.com
www.epoxytec.com
Ad on page 63

F

Fluid Conservation Systems, Inc.

502 Techn Center Dr., Ste. R
Milford, OH 45150
800-531-5465 • 513-831-9335 • Fax: 513-831-9336
mblackburn@fluidconservation.com
www.fluidconservation.com

Fluid Technology, Inc.

PO Box 937
Oxford, OH 45056
888-844-7824 • 513-241-1600 • Fax: 513-756-1995
Info@fluidtechinc.net
www.fluidtechinc.net
Ad on page 111

Footage Tools, Inc.

1-54 Audia Ct.
Vaughan, ON L4K 3N4 Canada
888-737-3668 • Fax: 905-695-8874
df@footage.ca
www.footagetools.com
Ad on page 111

Forbest Products Co.

315 Harbor Way B
South San Francisco, CA 94080
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

Formadrain, Inc.

17801 North Bay Rd., Unit 601
Sunny Isles Beach, FL 33160
888-337-6764
Info@formadrain.com
www.formadrain.com
Ad on page 75

Fresh Creek Technologies, Inc.

1384 Pompton Ave., Ste. 2
Cedar Grove, NJ 07009
800-741-9486 • 973-237-9099 • Fax: 973-237-0744
fresh@freshcreek.com
www.freshcreek.com
Ad on page 113

G

Gamajet Cleaning Systems, Inc.

604 Jeffers Cir.
Exton, PA 19341
877-426-2538 • 610-408-9940 • Fax: 610-408-9945
sales@gamajet.com
www.gamajet.com
Ad on page 83



GapVax, Inc.

575 Central Ave.
Johnstown, PA 15136
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

1101 Thompson Ave.
McKees Rocks, PA 15136
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
Info@drainbrain.com
www.drainbrain.com
Ad on page 31

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, Inc.

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

Global Pump Company

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: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

GPM Pump & Truck Parts, LLC

1404 W Fullerton Ave., Ste. A
Addison, IL 60101
630-543-7373 • Fax: 630-543-6651
www.gpmpumptruckparts.com
Ad on page 57

H



Hach Company

5600 Lindbergh Dr.
Loveland, CO 80539
800-227-4224 • 970-669-3050 • Fax: 970-669-2932
orders@hach.com
www.hach.com

Hach Flow Meter Products & Services

4539 Metropolitan Ct.
Frederick, MD 21704
800-368-2723 • 301-874-5599 • Fax: 301-874-8459
hachflowsales@hach.com
www.hachflow.com
Ad on page 19

Hammelman Corp.

600 Progress Rd.
Dayton, OH 45449
800-783-4935 • 937-859-8777 • Fax: 937-859-9188
mail@hammelmann.com
www.hammelmann.com



HammerHead Trenchless Equipment

1300 Capital Dr.
Oconomowoc, WI 53066
800-331-6653 • 262-567-8833 • Fax: 262-567-5068
Info@hammerheadtrenchless.com
www.hammerheadtrenchless.com
Ad on page 17

HARCO Fittings

3721 Cohen Pl.
Lynchburg, VA 24501-5047
434-845-7094 • Fax: 434-845-8562
sales@harcofittings.com
www.harcofittings.com
Ad on page 110

Hastings Irrigation Pipe Co.

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

HEMCO Corporation

711 S Powell Rd.
Independence, MO 64056
800-779-4362 • 816-796-2900 • Fax: 816-796-3333
Info@hemcocorp.com
www.hemcocorp.com
Ad on page 110

Hi-Vac Corporation

117 Industry Rd.
Marietta, OH 45750
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Hibon Inc., a division of Ingersoll Rand

12055 Cote de Liesse
Dorval, QC H9P 1B4 Canada
888-704-4266 • 514-351-3501 • Fax: 866-786-9163
jeff.peterson@irco.com
www.hibon.com

HOBAS Pipe USA

1413 E Richey Rd.
Houston, TX 77073
800-856-7473 • 281-821-2200 • Fax: 281-821-7715
www.hobaspip.com
Ad on page 43

Hurco Technologies, Inc.

409 Enterprise St.
Harrisburg, SD 57032
800-888-1436 • 605-743-2466 • Fax: 605-743-2465
lynn@gethurco.com
www.gethurco.com



I.D.S. Enterprises, Inc.

PO Box 93113
Lakeland, FL 33804
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
idsenterprises@msn.com
www.idsfiterboxes.com
Ad on page 111

ICS - PowerGrit

4909 SE International Way
Portland, OR 97222
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

IN USA, Inc.

100 Morse St.
Norwood, MA 02002
781-444-2929 • Fax: 781-444-9229
Info@inusacorp.com
www.inusacorp.com

InfoSense, Inc.

8701 Mallard Creek Rd.
Charlotte, NC 28262
877-747-3245 • Fax: 480-247-4851
achurchill@infosenseinc.com
www.infosenseinc.com

Infrastructure Repair Systems, Inc.

4301 A 34th St. N
St. Petersburg, FL 33714
877-327-4216 • Fax: 727-327-4118
irsl@irsl.net
www.irsl.net
Ad on page 9



Inliner Technologies

1468 W Hospital Rd.
Paoli, IN 47454
812-723-0704 • Fax: 812-723-5998
Info@inliner.net
www.inliner.net

IPEX USA LLC

2441 Royal Windsor Dr.
Mississauga, ON L5J 4C7 Canada
800-463-9572 • 905-403-0264 • Fax: 905-403-1124
marketing@ipexamerica.com
www.ipexamerica.com
Ad on page 11



Jack Doheny Supplies

PO Box 609
Northville, MI 48167
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

Jameson, LLC

PO Box 1030
Clover, SC 29710
803-222-6400 • Fax: 803-222-8475
dmoses@jamesoncorp.com
www.jamesonllc.com
Ad on page 95

Jetter Depot

745 Atlanta Rd., Ste. 210
Cumming, GA 30040
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

JPCI Services

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

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

KEG Technologies, Inc.

6220 N Pinnacle Dr.
Spartanburg, SC 29303
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

Kenny Construction Co.

2215 Sanders Rd., Ste. 400
Northbrook, IL 60062
847-919-8200 • Fax: 847-272-5421
underground@kennyconstruction.com
www.kennyconstruction.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 15

KSB, Inc.

4415 Sarelle Rd.
Henrico, VA 23231
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

LADTECH, Inc.

6704 Meadowlark Ct.
Lino Lakes, MN 55038
877-235-7464 • 651-415-1252 • Fax: 651-415-1090
adjr@ladtech.com
www.ladtech.com
Ad on page 65

Lametti & Sons

16028 Forest Blvd. N
Hugo, MN 55038
651-426-1380 • Fax: 651-426-0044
fredc@lametti.com
www.lametti.com



Layne Inliner, LLC

4520 N State Rd. 37
Orleans, IN 47452
812-865-3232 • Fax: 812-865-3075
Inlinerinfo@layne.com
www.layne.com

Lee Supply Company, Inc.

305 1st St.
Charleroi, PA 15022
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

Linko Data Systems

4251 Kipling St., # 410
Wheat Ridge, CO 80033
877-546-5699 • Fax: 303-275-9949
Info@linkodatasystems.com
www.linkodatasystems.com
Ad on page 41

LMK Technologies, LLC

1779 Chessie Ln.
Ottawa, IL 61350
815-433-1275 • Fax: 815-433-0107
sales@lmkenterprises.com
www.performanceliner.com
Ad on page 24

Logiball, Inc.

440 Papin St.
Quebec, QC G1P 3T9 Canada
800-246-5988 • Fax: 418-653-5746
Info@logiball.com
www.logiball.com

Lucity, Inc.

10561 Barkley, Ste. 500
Overland Park, KS 66212
800-492-2468 • 913-341-3105 • Fax: 913-341-3128
Info@lucity.com
www.lucity.com

M

Mainline Backflow Products, Inc.

12530 - 128 St.
Edmonton, AB T5L 1C9 Canada
877-734-8691 • 780-413-7204 • Fax: 780-457-1210
tomc@backwatervalve.com
www.backwatervalve.com
Ad on page 42

Martin Engineering

One Martin Pl.
Neponset, IL 61345
800-544-2947 • 309-852-2384 • Fax: 800-814-1553
Info@martin-eng.com
www.martin-eng.com

MATT-LOCKS-USA

PO Box 11346
Cincinnati, OH 45211
855-855-0059 • 513-240-5018
mattlocks.usa@gmail.com
www.mattlocksusa.com
Ad on page 113

McElroy Manufacturing, Inc.

833 N Fulton Ave.
Tulsa, OK 74115
918-836-8611
fusionsales@mcelroy.com
www.mcelroy.com/fusion
Ad on page 110

McGard

3875 California Rd.
Orchard Park, NY 14127
888-888-9192 • 716-662-8980 • Fax: 716-662-8985
rglass@mcgard.com
www.manholelocks.com
Ad on page 71

Mersino

600 W Dryden Rd.
Metamora, MI 48455
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

Mil-Ram Technology, Inc.

4135 Business Center Dr.
Fremont, CA 94538
888-464-5726 • 510-656-2001 • Fax: 510-656-2004
sls@mil-ram.com
www.mil-ram.com

Mr. Manhole

125 S Canal St.
Delphos, OH 45833
419-229-3015 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com
Ad on page 34

MTech

7401 First Place
Cleveland, OH 44146
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@metechcompany.com
www.metechcompany.com
Ad on page 110

ALPHABETICAL LISTINGS

Mueller SYSTEMS

Mueller Systems

10210 Statesville Blvd.
Cleveland, NC 27013
800-323-8584 • 704-278-2221
customer@muellersystems.com
www.muellersystems.com
Ad on page 111

Multitrode, Inc.

990 S Rogers Cir., Ste. 3
Boca Raton, FL 33487
561-994-8090 • Fax: 561-994-6282
ussales@multitrode.com
www.multitrode.com
Ad on page 112

Municipal Sales, Inc.

PO Box 4743
Queensbury, NY 12804
518-747-2044 • Fax: 518-747-5490
mark.reynolds@municipalsales.net
www.municipalsales.net
Ad on page 107

Municipal Services, Inc.

420 Boston Tpke.
Shrewsbury, MA 01545
508-842-8901 • Fax: 508-842-9648
rapocushion@yahoo.com
www.rap-o.biz
Ad on page 97

MyTana Mfg. Company, Inc.

746 Selby Ave.
St. Paul, MN 55104
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

N

NASSCO, Inc.

11521 Cronridge Dr., Ste. J
Owings Mills, MD 21117
410-486-3500 • Fax: 410-486-6838
Info@nassco.org
www.nassco.org



NAWT, Inc.

PO Box 220
Three Lakes, WI 54562
800-236-6298 • 715-891-3473 • Fax: 715-546-3786
Info@nawt.org
www.nawt.org
Ad on page 102

Neopoxy International, Inc.

27057 Industrial Blvd.
Hayward, CA 94545
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

NEPTCO, Inc.

30 Hamlet St.
Pawtucket, RI 02861
800-354-5445 • 401-722-5500 • Fax: 401-722-6378
Ad on page 41



NozzTeq, Inc.

1497 Main St., Unit 354
Dunedin, FL 34698
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

P

Parson Environmental Products, Inc.

PO Box 4474
Reading, PA 19606
800-356-9023 • 610-582-6060 • Fax: 610-582-6064
Info@parsonenvironmental.com
www.parsonenvironmental.com

Pat's Pump & Blower, LLC

630 W Church St.
Orlando, FL 32805
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36



Perma-Liner Industries, Inc.

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
Ads on pages 5, 45 and 95

Petersen Products Co.

PO Box 340
Fredonia, WI 53021
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89

Specializing in forging, easy-to-use, and safe materials for in-house rehabilitation and protection.

A product for rehab and protection that works!

Are concretes, mortars, calcium aluminates ineffective? Time consuming?
Are thin coatings failing or too difficult to apply?

Epoxytec CPP™ is the solution!!!

Finally, a product specifically designed for Do-It-Yourselfers!

- FILL, REPAIR, PATCH, AND/OR RESURFACE AND LINE (ALL-IN-ONE-SHOT)
- Eliminates infiltration/exfiltration (sealed system, no porosity, no permeability)
- Easy-to-mix, easy-to-apply, and forgiving, premeasured kits
- Structural (16,000 psi compressive strength)
- Repairable, ties back into itself indefinitely
- Chemical resistant, including H2S
- Environmentally friendly, no VOCs, no solvents

Great for all structures, such as...
lift stations, valve chambers, storm drains, plant structures, and more!



Before



After

Try it Today!!! 877.GO.EPOXY

info@epoxytec.com · epoxytec.com/products/_CPP

epoxytec.com

EPOXYTEC
REPAIR | PROTECT | MAINTAIN

"High performance products that work where others fail"

Pipeline Analytics

200 Cedar Ridge Dr., Ste. 207
Pittsburgh, PA 15205
877-626-8386 • Fax: 412-489-6471
wincan@pipelineanalytics.com
www.pipelineanalytics.com

Pipeline Renewal Technologies

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



PipeLogix, Inc.

PO Box 14014
Palm Desert, CA 92255
866-299-3150 • 760-779-1700 • Fax: 760-406-6023
joan.stone@pipelogix.com
www.pipelogix.com
Ad on page 34

PressureWasher.net

10821 Airport Dr.
El Cajon, CA 92020
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net

Prospan Shoring

10013 Norwood St.
Rosemont, IL 60018
888-413-8100 • 630-860-1930 • Fax: 847-698-3549
prospanshoring@gmail.com
www.prospanshoring.com
Ad on page 16



Prototek Corporation

PO Box 1700
Poulsbo, WA 98370
800-541-9123 • 360-779-1310 • Fax: 360-779-1510
prototeksales@prototek.net
www.prototek.net
Ad on page 45

Q

Quik Lining Systems, Inc.

178 SE Lake Dr.
Estelline, SD 57234
714-296-5262 • Fax: 866-784-4858
jhelsler@quiklining.com
www.quiklining.com

R

Radiodetection

154 Portland Rd.
Bridgton, ME 04009
877-247-3797 • 207-647-9495 • Fax: 207-647-9496
www.spx.com
www.radiodetection.com
Ad on page 73

RapidView IBAK North America

1828 W Olson Rd.
Rochester, IN 46975
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
Info@rapidview.com
www.rapidview.com
Ad on page 50



Ratech Electronics, Ltd.

260-7 Spinnaker Way
Concord, ON L4K 4P9 Canada
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com
Ad on page 46

Reelcraft Industries, Inc.

2842 E Business Hwy. 30
Columbia City, IN 46725
800-444-3134 • 260-248-8188 • Fax: 260-248-2605
reelcraft@reelcraft.com
www.reelcraft.com
Ad on page 110

Reline America, Inc.

116 Battleground Ave.
Saltville, VA 24370
866-998-0808 • 276-496-4000 • Fax: 276-496-4870
dverderame@relineamerica.com
www.relineamerica.com
Ad on page 33

RELINER/Duran Inc.

53 Mount Archer Rd.
Lyme, CT 06371
800-508-6001 • 860-434-0277 • Fax: 860-434-3195
duran@reliner.com
www.reliner.com

RIDGID

400 Clark St.
Elyria, OH 44035
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

RKI Instruments, Inc.

33248 Central Ave.
Union City, CA 94587
800-754-5165 • 510-441-5656 • Fax: 510-441-5650
orders@rklinstruments.com
www.rklinstruments.com

RootX

PO Box 7626
Salem, OR 97303
800-844-4974 • Fax: 503-485-5229
rootx@rootx.com
www.rootx.com
Ad on page 35



RS Technical Services, Inc.

1327 Clegg St.
Petakuma, CA 94954
800-767-1974 • 707-778-1974 • Fax: 707-778-1981
sales.info@rstechserv.com
www.rstechserv.com
Ad on page 42

RS Technik

PO Box 3745
Cary, NC 27519
919-481-1977 • Fax: 919-651-1384
contact@rstechnik.us
www.rstechnik.us

S

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 113

Safety Corporation of America

1200 Neville Rd.
Pittsburgh, PA 15225
800-746-7464 • 412-331-8118 • Fax: 412-331-8778
scapaytas@aol.com
www.shoring.com
Ad on page 85

Sewer Equipment Co. of America

12 Howard St.
Chadwick, IL 61014
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Sewer Equipment Co. of Florida, Inc.

1102 N Dixie Frwy.
New Smyrna Beach, FL 32168
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cflrr.com
www.sewerequipmentco.com
Ad on page 113

Sewer Shield Composite, 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 LLC

6 Jacobs Rd.
West Milford, NJ 07480
866-667-8465 • 973-846-7817 • Fax: 973-358-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com
Ad on page 113

Singer Valve Inc.

12850 - 87 Ave.
Surrey, BC V3W 3H9 Canada
888-764-7858 • 604-594-5404 • Fax: 800-663-7266
sales@singervalve.com
www.singervalve.com



SJE-Rhombus®

PO Box 1708
Detroit Lakes, MN 56501
888-342-5753 • 218-847-1317 • Fax: 218-847-4617
sje@sjeRhombus.com
www.sjeRhombus.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

Southland Tool Mfg. Inc.

1430 N Hundley St.
Anahem, CA 92806
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51

Specialty Maintenance Products, Inc.

5711 Clarewood, Ste. B
Houston, TX 77081
713-667-4402 • Fax: 713-669-8618
mark@flangeapreaders.com
www.flangeapreaders.com
Ad on page 36

SpectraShield Liner Systems

4527 Sunbeam Rd.
Jacksonville, FL 32257
800-284-2030 • 904-419-4889 • Fax: 904-419-4892
Info@spectrashield.com
www.spectrashield.com
Ad on page 93

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 97

SubSurface Instruments, Inc.

1841 Plane Park Dr.
De Pere, WI 54115
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
scott.rauen@sillocators.com
www.sillocators.com
Ad on page 110

SubSurface Locators, Inc.

4040 Moorpark Ave., Unit 104
San Jose, CA 95117
877-778-0763 • 408-249-4673 • Fax: 408-249-9653
sidi@mindspring.com
www.subsurfacelocators.com
Ad on page 87



Super Products LLC

17000 W Cleveland Ave.
New Berlin, WI 53151
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com



Superior Signal Company LLC

PO Box 96
Spotswood, NJ 08884
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
Info@superiorsignal.com
www.superiorsignal.com
Ad on page 111

ALPHABETICAL LISTINGS

T



T&T Tools, Inc.

PO Box 531
Spring Lake, MI 49456
800-521-6893 • Fax: 800-521-3260
sales@tandttools.com
www.mightyprobe.com
Ad on page 102

The Man Pan

309 Buffalo Ridge Rd.
McMurray, PA 15317
724-942-9500 • Fax: 724-942-7591
johnmanning@themanpan.com
www.themanpan.com

The Soil Surgeon, Inc.

25462 Fallen Oak
Laguna Niguel, CA 92677
949-363-1401 • Fax: 714-434-9998
bbaln@calhaz.com
www.soilsurgeoninc.com

The Strong Company, Inc.

4505 Emmet Sanders Rd.
Pine Bluff, AR 71601
800-982-8009 • 870-535-7617 • Fax: 870-850-6933
info@strongseal.com
www.strongseal.com
Ad on page 29

Them, Inc.

5712 Industrial Park Rd.
Winona, MN 55987
800-843-7648 • 507-454-2996 • Fax: 507-454-1255
info@them.com
www.them.com
Ad on page 54



TRELLEBORG

Trelleborg Pipe Seals Milford Inc.

250 Elm St.
Milford, NH 03055
800-626-2180 • Fax: 603-673-7271
simon.burke@trelleborg.com
www.trelleborg.com/npc

TRIC Tools, Inc.

1350 S Loop Rd., Ste. 104
Alameda, CA 94502
888-883-8742 • 510-629-4167 • Fax: 510-217-9493
info@trictools.com
www.trictools.com
Ad on page 110

TRY TEK Machine Works, Inc.

250 N Main St.
Jacobus, PA 17407
717-428-1477 • Fax: 717-428-2865
trytek@trytek.com
www.trytek.com

Turbo Fog

3334 S Tech Blvd.
Miamisburg, OH 45342
800-394-0678 • 937-886-9100 • Fax: 937-886-9300
sales@turbo-fog.com
www.turbo-fog.com
Ad on page 113

TV Ferret

840 State Rte. 50
Burnt Hills, NY 12027
518-399-2211 • Fax: 518-399-3118
info@tvferret.com
www.tvferret.com
Ad on page 110

U

US Jetting, LLC

850 McFarland Pkwy.
Alpharetta, GA 30004
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

USABlueBook

PO Box 9006
Gurnee, IL 60031
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

USB - Sewer Equipment Corporation

1700 Enterprise Way, Ste. 116
Marietta, GA 30067
866-408-2814 • 770-984-8880 • Fax: 770-984-2802
info@usbsec.com
www.USBSEC.com
Ad on page 87

Uticom Systems, Inc.

109 Independence Way
Coatesville, PA 19320
610-857-2655 • Fax: 610-857-2986
ben@uticom.net
www.uticom.net
Ad on page 112

V

Vac-Con, Inc.

969 Hall Park Rd.
Green Cove Springs, FL 32043
888-491-5762 • 904-284-4200 • Fax: 904-529-8659
vns@vac-con.com
www.vac-con.com
Ad on page 116

Vacall Industries

406 Mill Ave. SW
New Philadelphia, OH 44663
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjsimmellink@gradall.com
www.vacallindustries.com

Vector Manufacturing

1621 S Illinois St.
Streator, IL 61364
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vector.com
www.vector.com
Ads on pages 3 and 50

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

Valve Boss

18624 McLin Rd.
Livinston, LA 70754
225-226-8668 • Fax: 225-686-9431
sales@valveboss.com
www.valveboss.com
Ad on page 39

Vanair Manufacturing, Inc.

10896 W 300 N
Michigan City, IN 46360
800-526-8817 • 219-879-5100 • Fax: 219-879-5800
elizabeth.sanchez@vanair.com
www.vanair.com
Ad on page 69

Vaporooter

1550 E Old 210 Hwy.
Liberty, MO 64068
800-223-3684 • 816-781-4250 • Fax: 816-781-1043
customer.service@vaporooter.com
www.vaporooter.com
Ad on page 25

Vermeer

PO Box 200
Pella, IA 50219
888-837-6337 • 641-628-3141 • Fax: 641-621-7773
salesinfo@vermeerfm.com
www.vermeer.com



VIVAX METROTECH

Vivax-Metrotech Corp.

3251 Olcott St.
Santa Clara, CA 95054
800-446-3392 • 408-734-1400 • Fax: 408-734-1415
sales@vxmt.com
www.vivax-metrotech.com

W

WBE Dorcas, Inc.

2993 Broadmoor Valley Rd., Ste. 103
Colorado Springs, CO 80906
719-686-5988 • Fax: 719-576-1904
dorcas@wbedorcas.com
www.wbedorcas.com

Western Slope Utilities, LLC

1680 Airport Rd., C-1
Breckenridge, CO 80424
970-453-2810 • Fax: 970-453-4044
dan@wsulinc.net
www.wsulinc.net

Have you seen the



Go to mswmag.com
to view the e-zine.

E-Zine?



EFFICIENT - One man can easily install the LADTECH SYSTEM™ in minutes. The rings nest together including a finish spacer ring and a 2% slope adjustment ring for a precision fit.

SAFE - It usually takes four men to lift and place a concrete grade ring, which break and can cause back and bodily injury, the LADTECH SYSTEM™ eliminates that hazard, helping reduce comp claims. A 4" HDPE Ladtech Ring only weigh 9 pounds.

COST EFFECTIVE - LADTECH™ products speed manhole installation and repair efficiently, allowing the site to be closed in one day and reducing overall cost from 20% - 30% or more, based on conditions. No water, mortar or bricks are needed, just a few simple tools.



The "LADTECH System™" is the only manhole grade adjustment system made in the USA from 100% Recycled Plastic Polyethylene also acquired in the USA. Ladtech's HDPE manhole adjustment rings provide a proven alternative to concrete grade or adjustment rings and is the most advanced alternative manhole grade adjustment system available anywhere. The material is renowned for its ability to stand up to the harshest of conditions without damage or deformity for generations.

Follow LADTECH, INC.
on FACEBOOK!

877-235-7464
www.ladtech.com

We are looking for Distribution in these states: PA, NJ, TN, GA, NE, CO, NM, AZ, UT

CATEGORY LISTINGS

Advanced Metering Infrastructure (AMI)

Mueller Systems

Cleveland, NC
800-323-8584 • 704-278-2221
customer@muellersystems.com
www.muellersystems.com
Ad on page 111

Alarms & Controls

Fresh Creek Technologies, Inc.

Cedar Grove, NJ
800-741-9486 • 973-237-9099 • Fax: 973-237-0744
fresh@freshcreek.com
www.freshcreek.com
Ad on page 113

GPM Pump & Truck Parts, LLC

Addison, IL
630-543-7373 • Fax: 630-543-6651
www.gpmpumptruckparts.com
Ad on page 57

Mil-Ram Technology, Inc.

Fremont, CA
888-464-5726 • 510-656-2001 • Fax: 510-656-2004
sls@mil-ram.com
www.mil-ram.com

Multitrode, Inc.

Boca Raton, FL
561-994-8090 • Fax: 561-994-6282
ussales@multitrode.com
www.multitrode.com
Ad on page 112

SJE-Rhombus®

Detroit Lakes, MN
888-342-5753 • 218-847-1317 • Fax: 218-847-4617
sje@sjerhombus.com
www.sjerhombus.com

Associations

NASSCO, Inc.

Owings Mills, MD
410-486-3500 • Fax: 410-486-6838
Info@nassco.org
www.nassco.org

NAWT, Inc.

Three Lakes, WI
800-236-6298 • 715-891-3473 • Fax: 715-546-3786
Info@nawt.org
www.nawt.org
Ad on page 102

Automatic Meter Reading (AMR)

Fluid Conservation Systems, Inc.

Milford, OH 45150
800-531-5465 • 513-831-9335 • Fax: 513-831-9336
mblackburn@fluidconservation.com
www.fluidconservation.com

Mueller Systems

Cleveland, NC
800-323-8584 • 704-278-2221
customer@muellersystems.com
www.muellersystems.com
Ad on page 111

Bacteria/Chemicals - Grease

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Chempace Corporation

Toledo, OH
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
vhorvath@chempace.com
www.chempace.com
Ad on page 85

Municipal Sales, Inc.

Queensbury, NY
518-747-2044 • Fax: 518-747-5490
mark.reynolds@municipalsales.net
www.municipalsales.net
Ad on page 107

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

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 113

Simple Solutions LLC

West Milford, NJ
866-667-8465 • 973-846-7817 • Fax: 973-358-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com
Ad on page 113



VAPOROOTER®



Vaporooter

Liberty, MO
800-223-3684 • 816-781-4250 • Fax: 816-781-1043
customer.service@vaporooter.com
www.vaporooter.com
Ad on page 25

Bacteria/Chemicals - Septic

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Chempace Corporation

Toledo, OH
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
vhorvath@chempace.com
www.chempace.com
Ad on page 85

Municipal Sales, Inc.

Queensbury, NY
518-747-2044 • Fax: 518-747-5490
mark.reynolds@municipalsales.net
www.municipalsales.net
Ad on page 107

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Bacteria/Chemicals - Wastewater

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Chempace Corporation

Toledo, OH
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
vhorvath@chempace.com
www.chempace.com
Ad on page 85

Fresh Creek Technologies, Inc.

Cedar Grove, NJ
800-741-9486 • 973-237-9099 • Fax: 973-237-0744
fresh@freshcreek.com
www.freshcreek.com
Ad on page 113

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Bucket Machines

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51

Bumper Cranes

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 97

Cable Drain Cleaning Machines

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

General Pipe Cleaners/ General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
Info@drainbrain.com
www.drainbrain.com
Ad on page 31

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mttechcompany.com
Ad on page 110

MyTana Mfg. Company, Inc.

St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

Cable/Cable Attachments

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Dynamic Repairs

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

CATEGORY LISTINGS

General Pipe Cleaners/ General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
Info@drainbrain.com
www.drainbrain.com
Ad on page 31

MyTana Mfg. Company, Inc.

St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Camera Tractor Wheels

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110



Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

Cyclops Electronics, Inc.

Boerne, TX
830-249-9756 • Fax: 830-249-8535
cyclopstv@beecreek.net
www.cyclopstv.com

Envirosight, LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
office@envirosight.com
www.envirosight.com
Ad on page 2

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 110

Catch Basin Cleaners

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Custom Holesaw Technologies, Corp.

Silverton, OR 97381
503-873-6101 • Fax: 503-212-0205
jh@customholesaw.com
www.customholesaw.com
Ad on page 42

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79



GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
Inquiry@gapvax.com
www.gapvax.com
Ad on page 115

HI-Vac Corporation

Marietta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.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 110

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cfl.rr.com
www.sewerequipmentco.com
Ad on page 113

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51



Structural Pipe Lining

- 36" and Larger
- Round, Arched or Elliptical
- Concrete or Corrugated Metal Pipe
- No Excavation - No Disruption
- Fully Structural
- Environmentally Safe
- Manufacturer and Technology Provider of Cementitious Liners for Over 30 Years

CENTRIPIPE

Territories available worldwide

800.662.6465
www.centripipe.com



Super Products
TRUCK MOUNTED VACUUM EQUIPMENT

Super Products LLC
New Berlin, WI
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com

Vac-Con, Inc.
Green Cove Springs, FL
888-491-5762 • 904-284-4200 • Fax: 904-529-8659
vns@vac-con.com
www.vac-con.com
Ad on page 116

VACALL™
Vacall Industries
New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjslmmmlnk@gradall.com
www.vacallindustries.com

Vactor Manufacturing
Streator, IL
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vactor.com
www.vactor.com
Ads on pages 3 and 50

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

Catch Basin Filter

Advanced Aquatic Products International, Inc.
Miami, FL
800-738-7647 • 305-388-7195 • Fax: 305-388-7196
advaquaticprods@aol.com
www.hydro-cartridge.com
Ad on page 89

Advanced Drainage Systems, Inc.
Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

Catch Basins

Advanced Drainage Systems, Inc.
Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

American Highway Products, Ltd.
Bollivar, OH
888-272-2397 • 330-874-3270 • Fax: 330-874-3800
sales@ahp1.com
www.ahp1.com
Ad on page 77

Chempure Products Corp.
Bollivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
chempure@gmail.com
www.chempure.com
Ad on page 42

Clean Water Works Inc.
Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdbrule@cwvcana.com
www.cwvcana.com

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Epoxytec International, Inc.
Hollywood, FL
877-463-7699 • 954-961-4656 • Fax: 954-961-2395
msw@epoxytec.com
www.epoxytec.com
Ad on page 63

**Centrifuge Repair/
Rebuild Service**

Ashbrook Simon-Hartley
Houston, TX
800-362-9041 • 281-449-0322 • Fax: 281-449-1324
carlboyd@as-h.com
www.as-h.com
Ad on page 111

**Chemicals -
Cleaning**

Chempace Corporation
Toledo, OH
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
vhorvath@chempace.com
www.chempace.com
Ad on page 85

Municipal Sales, Inc.
Queensbury, NY
518-747-2044 • Fax: 518-747-5490
mark.reynolds@municipalsales.net
www.municipalsales.net
Ad on page 107

Pat's Pump & Blower, LLC
Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

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 113

**Chemicals -
Dewatering**

I.D.S. Enterprises, Inc.
Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
idsenterprises@msn.com
www.idsfilterboxes.com
Ad on page 111

**Chemicals -
Wastewater Treatment**

Chempace Corporation
Toledo, OH
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
vhorvath@chempace.com
www.chempace.com
Ad on page 85



Hach Company
Loveland, CO
800-227-4224 • 970-669-3050 • Fax: 970-669-2932
orders@hach.com
www.hach.com

I.D.S. Enterprises, Inc.
Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
idsenterprises@msn.com
www.idsfilterboxes.com
Ad on page 111

KSB, Inc.
Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

Sewer Equipment Co. of Florida, Inc.
New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerekquipment@cfl.ir.com
www.sewerekquipmentco.com
Ad on page 113

USABlueBook
Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

**Chemicals -
Water Treatment**



Hach Company
Loveland, CO
800-227-4224 • 970-669-3050 • Fax: 970-669-2932
orders@hach.com
www.hach.com

IN USA, Inc.
Norwood, MA
781-444-2929 • Fax: 781-444-9229
Info@inuscacorp.com
www.inuscacorp.com

KSB, Inc.
Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

USABlueBook
Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

CIPP



Clean Water Works Inc.
Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdbrule@cwvcana.com
www.cwvcana.com

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • Fax: 727-327-4118
trsl@irst.net
www.irst.net
Ad on page 9

Inliner Technologies
Paoli, IN
812-723-0704 • Fax: 812-723-5998
Info@inliner.net
www.inliner.net



Kenny Construction Co.
Northbrook, IL
847-919-8200 • Fax: 847-272-5421
underground@kennyconstruction.com
www.kennyconstruction.com

Lametti & Sons
Hugo, MN
651-426-1380 • Fax: 651-426-0044
fred@lametti.com
www.lametti.com



Layne Inliner, LLC
Orleans, IN
812-865-3232 • Fax: 812-865-3075
Inlinerinfo@layne.com
www.layne.com

Logiball, Inc.
Jackman, ME
800-246-5988 • Fax: 418-653-5746
Info@logiball.com
www.logiball.com

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



Perma-Liner Industries, Inc.
Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
Info@perma-liner.com
www.perma-liner.com
Ads on pages 5, 45 and 95

Quik Lining Systems, Inc.
Estelline, SD
714-296-5262 • Fax: 866-784-4858
Jhesler@quiklining.com
www.quiklining.com

Reline America, Inc.
Saltville, VA
866-998-0808 • 276-496-4000 • Fax: 276-496-4870
dverderame@relineamerica.com
www.relineamerica.com
Ad on page 33

RS Technik
Cary, NC
919-481-1977 • Fax: 919-651-1384
contact@rstechnik.us
www.rstechnik.us

CATEGORY LISTINGS



TRELLEBORG

Trelleborg Pipe Seals Milford Inc.

Milford, NH
800-626-2180 • Fax: 603-673-7271
simon.burke@trelleborg.com
www.trelleborg.com/npc

Western Slope Utilities, LLC

Breckenridge, CO
970-453-2810 • Fax: 970-453-4044
dan@wsulinc.net
www.wsulinc.net

Clothing/ Workwear

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

Coatings/ Linings

AP/M PERMAFORM

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
Info@permaform.net
www.permaform.net
Ad on page 67

Babbitt Bearing Company Inc.

San Jose, CA
408-298-1101 • Fax: 408-998-4134
Info@bbcmachine.com
www.bbcmachine.com
Ad on page 113

CreteX Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
Info@creteXseals.com
www.creteXseals.com
Ad on page 81

ENECON Corporation

Medford, NY
888-436-3266 • 516-349-0022 • Fax: 516-349-5522
Info@enecon.com
www.enecon.com

Environmental Coatings LLC

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

Epoxytec International, Inc.

Hollywood, FL
877-463-7699 • 954-961-4656 • Fax: 954-961-2395
msw@epoxytec.com
www.epoxytec.com
Ad on page 63

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • Fax: 727-327-4118
Irsi@Irsi.net
www.Irsi.net
Ad on page 9

JPCI Services

Mesa, AZ
480-986-1212
Info@jpciservices.com
www.jpciservices.com

Neopoxy International, Inc.

27057 Industrial Blvd.
Hayward, CA 94545
510-782-1290 • Fax: 510-782-1292
epoxy@neopoxy.us
www.neopoxy.us

NEPTCO, Inc.

Pawtucket, RI
800-354-5445 • 401-722-5500 • Fax: 401-722-6378
Ad on page 41

Parson Environmental Products, Inc.

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

Quik Lining Systems, Inc.

Estelline, SD
714-296-5262 • Fax: 866-784-4858
Jhelsler@quiklining.com
www.quiklining.com

Reline America, Inc.

Saltville, VA
866-998-0808 • 276-496-4000 • Fax: 276-496-4870
dverderame@relineamerica.com
www.relineamerica.com
Ad on page 33

RS Technik

Cary, NC
919-481-1977 • Fax: 919-651-1384
contact@rstechnc.us
www.rstechnik.us

Sewer Shield Composite, LLC

Mesa, AZ
480-830-9537
Info@sewershieldcomposites.com
www.sewershieldcomposites.com

SpectraShield Liner Systems

Jacksonville, FL
800-284-2030 • 904-419-4889 • Fax: 904-419-4892
Info@spectrashield.com
www.spectrashield.com
Ad on page 93

Trelleborg Pipe Seals Milford Inc.

Milford, NH
800-626-2180 • Fax: 603-673-7271
simon.burke@trelleborg.com
www.trelleborg.com/npc

Computer Software



Cobra Technologies

Smryna, GA
800-443-3761 • 770-435-8991 • Fax: 770-435-0402
sales@cobratec.com
www.cobratec.com
Ad on page 54

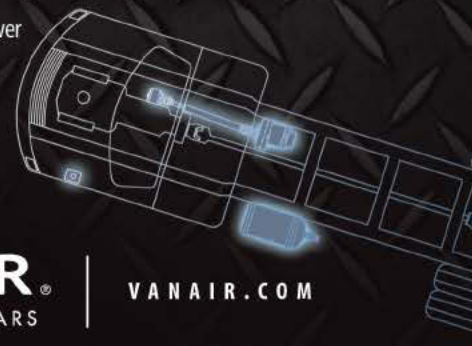


POWERFUL. LIGHTWEIGHT. SPACE-SAVING.

THE ORIGINAL PTO-DRIVEN COMPRESSOR

Rely on Vanair's comprehensive line of vehicle-mounted underdeck air compressors to get the job done.

- 50 - 1000 CFM of rotary screw compressor power
- A fraction of the cost of tow-behinds
- Increased maneuverability
- Fuel-saving
- Convenient accessibility
- Proudly made in the USA



Scan the code to learn more about Vanair's comprehensive line of underdeck air compressors.



VAN AIR
CELEBRATING 40 YEARS

VAN AIR.COM



CUES
Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

EnviroSight, LLC
Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
office@envirosight.com
www.envirosight.com
Ad on page 2

Hurco Technologies, Inc.
Harrisburg, SD
800-888-1436 • 605-743-2466 • Fax: 605-743-2465
lynn@gethurco.com
www.gethurco.com

Linko Data Systems
Wheat Ridge, CO
877-546-5699 • Fax: 303-275-9949
Info@linkodatasytems.com
www.linkodatasytems.com
Ad on page 41



Lucity, Inc.
Overland Park, KS
800-492-2468 • 913-341-3105 • Fax: 913-341-3128
Info@lucity.com
www.lucity.com

MTech
Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110



Pipeline Analytics
Pittsburgh, PA
877-626-8386 • Fax: 412-489-6471
wincan@pipelineanalytics.com
www.pipelineanalytics.com



PipeLogix, Inc.
Palm Desert, CA
866-299-3150 • 760-779-1700 • Fax: 760-406-6023
Joan.stone@pipelogix.com
www.pipelogix.com
Ad on page 34

RapidView IBAK North America
Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
Info@rapidview.com
www.rapidview.com
Ad on page 50

Consulting/Engineering

Echologics
Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112

KEG Technologies, Inc.
Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

KSB, Inc.
Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

NozzTeq, Inc.
Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Uticom Systems, Inc.
Coatesville, PA
610-857-2655 • Fax: 610-857-2986
ben@uticom.net
www.uticom.net
Ad on page 112

Consumer Portal

Mueller Systems
Cleveland, NC
800-323-8584 • 704-278-2221
customercare@muellersystems.com
www.muellersystems.com
Ad on page 111

Cranes/Hoists/Winches

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 97

Thern, Inc.
Winona, MN
800-843-7648 • 507-454-2996 • Fax: 507-454-1255
Info@thern.com
www.thern.com
Ad on page 54

Data Loggers/ Management

COBRA TECHNOLOGIES
Cobra Technologies
Smyrna, GA
800-443-3761 • 770-435-8991 • Fax: 770-435-0402
sales@cobratec.com
www.cobratec.com
Ad on page 54

Fluid Conservation Systems, Inc.
Milford, OH
800-531-5465 • 513-831-9335 • Fax: 513-831-9336
mblackburn@fluidconservation.com
www.fluidconservation.com

Mueller Systems
Cleveland, NC
800-323-8584 • 704-278-2221
customercare@muellersystems.com
www.muellersystems.com
Ad on page 111

Multitrode, Inc.
Boca Raton, FL
561-994-8090 • Fax: 561-994-6282
ussales@multitrode.com
www.multitrode.com
Ad on page 112

RKI Instruments, Inc.
Union City, CA
800-754-5165 • 510-441-5656 • Fax: 510-441-5650
orders@rklinstruments.com
www.rklinstruments.com

SubSurface Locators, Inc.
San Jose, CA
877-778-0763 • 408-249-4673 • Fax: 408-249-9653
sldi@mindspring.com
www.subsurfacelocators.com
Ad on page 87

Vivax-Metrotech Corp.
Santa Clara, CA
800-446-3392 • 408-734-1400 • Fax: 408-734-1415
sales@vxmt.com
www.vivax-metrotech.com

Detection Equipment

Central Oklahoma Winnelson
Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Echologics
Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112

Fluid Conservation Systems, Inc.
Milford, OH
800-531-5465 • 513-831-9335 • Fax: 513-831-9336
mblackburn@fluidconservation.com
www.fluidconservation.com

Forbest Products Co.
South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

**General Pipe Cleaners/
General Wire Spring**
McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
Info@drainbrain.com
www.drainbrain.com
Ad on page 31

InfoSense, Inc.
Charlotte, NC
877-747-3245 • Fax: 480-247-4851
achurchill@infosenseinc.com
www.infosenseinc.com

Mil-Ram Technology, Inc.
Fremont, CA
888-464-5726 • 510-656-2001 • Fax: 510-656-2004
sls@mil-ram.com
www.mil-ram.com

Mueller Systems
Cleveland, NC
800-323-8584 • 704-278-2221
customercare@muellersystems.com
www.muellersystems.com
Ad on page 111

MyTana Mfg. Company, Inc.
St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

RKI Instruments, Inc.
Union City, CA
800-754-5165 • 510-441-5656 • Fax: 510-441-5650
orders@rklinstruments.com
www.rklinstruments.com

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

SubSurface Locators, Inc.
San Jose, CA
877-778-0763 • 408-249-4673 • Fax: 408-249-9653
sldi@mindspring.com
www.subsurfacelocators.com
Ad on page 87

Vivax-Metrotech Corp.
Santa Clara, CA
800-446-3392 • 408-734-1400 • Fax: 408-734-1415
sales@vxmt.com
www.vivax-metrotech.com

Dewatering

**AMT Pump
(American Machine & Tool Co.)**
Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtpump.com
Ad on page 110

Ashbrook Simon-Hartley
Houston, TX
800-362-9041 • 281-449-0322 • Fax: 281-449-1324
carl.boyd@as-h.com
www.as-h.com
Ad on page 111



BDP Industries, Inc.
Greenwich, NY
518-527-5417 • Fax: 518-695-5417
kelly@bdpindustries.com
www.bdpindustries.com

Bright Technologies
Hopkins, MI
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
Julie@brightbeltpress.com
www.brightbeltpress.com

Fluid Technology, Inc.
Oxford, OH
888-844-7824 • 513-241-1600 • Fax: 513-756-1995
Info@fluidtechinc.net
www.fluidtechinc.net
Ad on page 111

CATEGORY LISTINGS

General Pump

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

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • Fax: 402-463-4355
gjones@hlpco-ne.com
www.hastingsirrigation.com

I.D.S. Enterprises, Inc.

Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
ldsenterprises@msn.com
www.lidsfilterboxes.com
Ad on page 111

Komline-Sanderson

Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
Info@komline.com
www.komline.com
Ad on page 15

Mersino

Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

Directional Drilling

General Pump

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

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

Vermeer

Pella, IA
888-837-6337 • 641-628-3141 • Fax: 641-621-7773
salesinfo@vermeerfmfg.com
www.vermeer.com

Dredging

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Drives -

Variable Frequency (VFD)



SJE-Rhombus®

Detroit Lakes, MN
888-342-5753 • 218-847-1317 • Fax: 218-847-4617
sje@sjerhombus.com
www.sjerhombus.com

Easement Machine

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tttequip@yahoo.com
www.3tequipco.com
Ad on page 53

Jack Doheny Supplies

Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@dohenysupplies.com
www.dohenysupplies.com



K & W Products, Inc.

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

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 110

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Education

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

Now Improved For High H2S Applications!

FiberShield™ A New Lightweight Composite Manhole Cover Secured by McGard®

FIBERSHIELD

- ▼ No Scrap Value
- ▼ Prevents Unauthorized Access
- ▼ Durable Composite Material
- ▼ Traffic Rated
- ▼ Reduces Injuries
- ▼ Reduces Workers Comp Claims
- ▼ No Expensive Lifting Equipment Needed
- ▼ Easy to Handle and Transport
- ▼ Registered Key Patterns
- ▼ Various Size/Color Options

The Intimidator®
Line Of Security Products



1-888-888-9192 or visit us at www.manholelocks.com
McGard, 3875 California Road, Orchard Park, New York 14127

US Patent #7,896,574 B2



NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

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 67

ENECON Corporation

Medford, NY
888-436-3266 • 516-349-0022 • Fax: 516-349-5522
Info@enecon.com
www.enecon.com

Environmental Coatings LLC

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

Epoxytec International, Inc.

Hollywood, FL
877-463-7699 • 954-961-4656 • Fax: 954-961-2395
msw@epoxytec.com
www.epoxytec.com
Ad on page 63

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • Fax: 727-327-4118
Irsi@irs.net
www.irs.net
Ad on page 9

Neopoxy International, Inc.

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

Parson Environmental Products, Inc.

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

RS Technik

Cary, NC
919-481-1977 • Fax: 919-651-1384
contact@rsttechnik.us
www.rsttechnik.us

Erosion Control

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

Agru America, Inc.

Georgetown, SC
800-373-2478 • Fax: 843-527-2738
as@agruamerica.com
www.agruamerica.com
Ad on page 9

ENECON Corporation

Medford, NY
888-436-3266 • 516-349-0022 • Fax: 516-349-5522
Info@enecon.com
www.enecon.com

Excavating Equipment

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
Inquiry@gapvax.com
www.gapvax.com
Ad on page 115

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com

The Soil Surgeon, Inc.

Laguna Niguel, CA
949-363-1401 • Fax: 714-434-9998
bbaln@calhaz.com
www.soilsurgeoninc.com

Vector Manufacturing

Streator, IL
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vector.com
www.vector.com
Ads on pages 3 and 50

Filters - Wastewater

Anua

Greensboro, NC
336-547-9338 • Fax: 336-547-8559
Info@anua-us.com
www.anua-us.com

Ashbrook Simon-Hartley

Houston, TX
800-362-9041 • 281-449-0322 • Fax: 281-449-1324
carl.boyd@as-h.com
www.as-h.com
Ad on page 111



BDP Industries, Inc.

Greenwich, NY
518-527-5417 • Fax: 518-695-5417
kelly@bdpindustries.com
www.bdpindustries.com

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

GPM Pump & Truck Parts, LLC

Addison, IL
630-543-7373 • Fax: 630-543-6651
www.gpmpumptruckparts.com
Ad on page 57

I.D.S. Enterprises, Inc.

Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
ldsenterprises@msn.com
www.ldsfilterboxes.com
Ad on page 111

Komline-Sanderson

Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
Info@komline.com
www.komline.com
Ad on page 15

Simple Solutions LLC

West Milford, NJ
866-667-8465 • 973-846-7817 • Fax: 973-358-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com
Ad on page 113

Smith & Loveless, Inc.

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

Fittings - Sewer & Drain

Canplas

Denver, CO
888-461-5307 • 303-909-1918 • Fax: 303-373-1923
denver.sales@canplas.com
www.endurainterceptor.com

Fittings - Vacuum

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
Inquiry@gapvax.com
www.gapvax.com
Ad on page 115

GPM Pump & Truck Parts, LLC

Addison, IL
630-543-7373 • Fax: 630-543-6651
www.gpmpumptruckparts.com
Ad on page 57

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • Fax: 402-463-4355
gjonas@hipco-ne.com
www.hastingsirrigation.com

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequisite@clfl.com
www.sewerequisiteco.com
Ad on page 113

Flags/Markers

Blackburn Manufacturing Co.

Neligh, NE
800-942-5816 • Fax: 402-887-5171
don@blackburnflag.com
www.blackburnflag.com
Ad on page 110

USABlueBook

Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

Uticom Systems, Inc.

Coatesville, PA
610-857-2655 • Fax: 610-857-2986
ben@uticom.net
www.uticom.net
Ad on page 112

Flange Spreaders



Specialty Maintenance Products, Inc.

Houston, TX
713-667-4402 • Fax: 713-669-8618
mark@flangeapreaders.com
www.flangespreaders.com
Ad on page 36

Flow Control/Monitoring

Echologics

Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112

Fluid Conservation Systems, Inc.

Milford, OH
800-531-5465 • 513-831-9335 • Fax: 513-831-9336
mblackburn@fluidconservation.com
www.fluidconservation.com

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

Fresh Creek Technologies, Inc.

Cedar Grove, NJ
800-741-9486 • 973-237-9099 • Fax: 973-237-0744
fresh@freshcreek.com
www.freshcreek.com
Ad on page 113



Hach Company

Loveland, CO
800-227-4224 • 970-669-3050 • Fax: 970-669-2932
orders@hach.com
www.hach.com

CATEGORY LISTINGS

Hach Flow Meter Products & Services

Frederick, MD
800-368-2723 • 301-874-5599 • Fax: 301-874-8459
hachflowsales@hach.com
www.hachflow.com
Ad on page 19

InfoSense, Inc.

Charlotte, NC
877-747-3245 • Fax: 480-247-4851
achurchill@infosenseinc.com
www.infosenseinc.com

IPEX USA LLC

Mississauga, ON Canada
800-463-9572 • 905-403-0264 • Fax: 905-403-1124
marketing@ipexamerica.com
www.ipexamerica.com
Ad on page 11

Multitrode, Inc.

Boca Raton, FL
561-994-8090 • Fax: 561-994-6282
ussales@multitrode.com
www.multitrode.com
Ad on page 112

Singer Valve Inc.

Surrey, BC Canada
888-764-7858 • 604-594-5404 • Fax: 800-663-7266
sales@singervalve.com
www.singervalve.com

Fume Hoods

HEMCO Corporation

Independence, MO
800-779-4362 • 816-796-2900 • Fax: 816-796-3333
info@hemcocorp.com
www.hemcocorp.com
Ad on page 110

Gas Monitors/Detection

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
info@epasales.com
www.epasales.com
Ad on page 79

IN USA, Inc.

Norwood, MA
781-444-2929 • Fax: 781-444-9229
info@lnusacorp.com
www.lnusacorp.com

Mil-Ram Technology, Inc.

Fremont, CA
888-464-5726 • 510-656-2001 • Fax: 510-656-2004
sls@mil-ram.com
www.mil-ram.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 110

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

RKI Instruments, Inc.

Union City, CA
800-754-5165 • 510-441-5656 • Fax: 510-441-5650
orders@rklinstruments.com
www.rklinstruments.com

Sierra Instruments, Inc.

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

Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.superiorsignal.com
Ad on page 111

USABlueBook

Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

Generators/ Air Compressors

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
info@powergrit.com
www.powergrit.com

IN USA, Inc.

Norwood, MA
781-444-2929 • Fax: 781-444-9229
info@lnusacorp.com
www.lnusacorp.com

Mersino

Spotswood, NJ
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com



RD5000™ WL

Easy to use, high frequency pipe and cable locator kit

- **ClearTRACK™:** Provides automatic rejection of adjacent bleed-over signals, leading to more accurate location in increasingly congested underground utility networks.
- **Single high frequency, 83kHz:** Jumps across the seals, insulators and gaps found in many water and gas pipes, enabling longer locates.
- **Compass:** Displays the orientation of the target cable or pipe, making it easier to follow, and ensures correct positioning for accurate depth measurements.
- **Single button operation:** Ensures intuitive ease of use, enhanced by Guidance Arrows, Signal Strength and Depth and Current readouts.

TEL: 877 | 247 | 3797
Email: rd.sales.us@spx.com
www.radiodetection.com/RD5000



Radiodetection®

SPX®
WHERE IDEAS MEET INDUSTRY

Vanair Manufacturing, Inc.

Michigan City, IN
800-526-8817 • 219-879-5100 • Fax: 219-879-5800
elizabeth.sanchez@vanair.com
www.vanair.com
Ad on page 69

Grease Handling Equipment

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Bright Technologies

Hopkins, MI
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
Julie@brightbeltpress.com
www.brightbeltpress.com

I.D.S. Enterprises, Inc.

Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
idsenterprises@msn.com
www.idsfiltersboxes.com
Ad on page 111

Municipal Sales, Inc.

Queensbury, NY
518-747-2044 • Fax: 518-747-5490
mark.reynolds@municipalsales.net
www.municipalsales.net
Ad on page 107



NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Reelcraft Industries, Inc.

Columbia City, IN
800-444-3134 • 260-248-8188 • Fax: 260-248-2605
reelcraft@reelcraft.com
www.reelcraft.com
Ad on page 110

Safe-Tee Chemical Company

Scottsdale, AZ
866-366-0587 • 480-968-6828 • Fax: 480-968-6776
service@safeteecchemical.com
www.safeteecchemical.com
Ad on page 113

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerekquipment@cfl.ir.com
www.sewerekquipmentco.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

Grease Interceptors

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

Best Management Products, Inc.

Lyme, CT 06371
800-504-8008 • Fax: 877-434-3197
tjm@bmpi.com
www.bmpi.com
Ad on page 111

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com



www.canplasmplumbing.com

Canplas

Denver, CO
888-461-5307 • 303-909-1918 • Fax: 303-373-1923
denver.sales@canplas.com
www.enduraintceptor.com

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Grouting



Waukesha, WI
800-234-7205 • 262-896-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 37



Avanti International

Webster, TX
800-877-2570 • 281-486-5600 • Fax: 281-486-7300
sales@avantigrout.com
www.avantigrout.com
Ad on page 18

Clean Water Works Inc.

Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdbrule@cwcanada.com
www.cwcanada.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 81



Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16



Logiball, Inc.

Jackman, ME
800-246-5988 • Fax: 418-653-5746
Info@logiball.com
www.logiball.com

Parson Environmental Products, Inc.

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

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89

Hand Tools

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Custom Holesaw Technologies, Corp.

Silverton, OR 97381
503-873-6101 • Fax: 503-212-0205
Jh@customholesaw.com
www.customholesaw.com
Ad on page 42

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79



Footage Tools, Inc.

Vaughan, ON Canada
888-737-3668 • Fax: 905-695-8874
df@footage.ca
www.footagetools.com
Ad on page 111

ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51

SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
scott.rauen@sslocators.com
www.sslocators.com
Ad on page 110



T&T Tools, Inc.

Spring Lake, MI
800-521-6893 • Fax: 800-521-3260
sales@tandttools.com
www.mightyprobe.com
Ad on page 102

Hose - High Pressure

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jlp@advancedworld.com
www.advancedworld.com
Ad on page 110

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
Inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Hammelmann Corp.

Dayton, OH
800-783-4935 • 937-859-8777 • Fax: 937-859-9188
mail@hammelmann.com
www.hammelmann.com

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

MyTana Mfg. Company, Inc.

St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

CATEGORY LISTINGS

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cfl.fl.com
www.sewerequipmentco.com
Ad on page 113

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjsimmellink@gradall.com
www.vacallindustries.com

Vector Manufacturing

Streator, IL
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vector.com
www.vector.com
Ads on pages 3 and 50

Hose Reels

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Chempure Products Corp.

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
chempure@gmail.com
www.chempure.com
Ad on page 42

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
info@epasales.com
www.epasales.com
Ad on page 79

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

Hammelmann Corp.

Dayton, OH
800-783-4935 • 937-859-8777 • Fax: 937-859-9188
mail@hammelmann.com
www.hammelmann.com

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • Fax: 727-327-4118
irsl@irsl.net
www.irsl.net
Ad on page 9

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

K & W Products, Inc.

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

MyTana Mfg. Company, Inc.

St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com
Ad on page 93

Reelcraft Industries, Inc.

Columbia City, IN
800-444-3134 • 260-248-8188 • Fax: 260-248-2605
reelcraft@reelcraft.com
www.reelcraft.com
Ad on page 110

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjsimmellink@gradall.com
www.vacallindustries.com



Introducing
a Breakthrough in
Steam Cured Lining

The liner is shipped pre-impregnated
or prepared at your shop.
You have a full two months to install it.



No Rush. No Hardening on you. Always Done Right.
formadrain.com/breakthrough

Or Call Steven Therrien at (866) 599-2429
or e-mail steven@formadrain.com

Hydraulic Parts and Components

Babbitt Bearing Company Inc.

San Jose, CA
408-298-1101 • Fax: 408-998-4134
Info@bbcmachine.com
www.bbcmachine.com
Ad on page 113

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Hydroexcavation Equipment

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tttequip@yahoo.com
www.3tequipco.com
Ad on page 53

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
Jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Clean Water Works Inc.

Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdbrule@cwcanada.com
www.cwcanada.com

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36



GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
Inquiry@gapvax.com
www.gapvax.com
Ad on page 115

HI-Vac Corporation

Marietta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466 • Fax: 605-743-2465
lynn@gethurco.com
www.gethurco.com

Jack Doheny Supplies

Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47



Super Products

TRUCK MOUNTED VACUUM EQUIPMENT

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com

The Soil Surgeon, Inc.

Laguna Niguel, CA
949-363-1401 • Fax: 714-434-9998
bbaln@calhaz.com
www.soilsurgeoninc.com

Vac-Con, Inc.

Green Cove Springs, FL
888-491-5762 • 904-284-4200 • Fax: 904-529-8659
vns@vac-con.com
www.vac-con.com
Ad on page 116



Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjsimmellink@gradall.com
www.vacallindustries.com

Vector Manufacturing

Streator, IL
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vactor.com
www.vactor.com
Ads on pages 3 and 50

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

Inspection - Acoustic

InfoSense, Inc.

Charlotte, NC
877-747-3245 • Fax: 480-247-4851
achurchill@infosenseinc.com
www.infosenseinc.com

Inspection - Drainline

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
Jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com



Aries Industries, Inc.

Waukesha, WI
800-234-7205 • 262-896-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 37

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18



CUES

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

Cyclops Electronics, Inc.

Boerne, TX
830-249-9756 • Fax: 830-249-8535
cyclopstv@beecreek.net
www.cyclopstv.com

Dynamic Repairs

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

Echologics

Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112



Envirosight, LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
office@envirosight.com
www.envirosight.com
Ad on page 2

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

General Pipe Cleaners/ General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
Info@drainbrain.com
www.drainbrain.com
Ad on page 31

InfoSense, Inc.

Charlotte, NC
877-747-3245 • Fax: 480-247-4851
achurchill@infosenseinc.com
www.infosenseinc.com

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

Mainline Backflow Products, Inc.

Edmonton, AB Canada
877-734-8691 • 780-413-7204 • Fax: 780-457-1210
tomc@backwatervalve.com
www.backwatervalve.com
Ad on page 42

MTEch

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 110

MyTana Mfg. Company, Inc.

St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

Pipeline Analytics

Pittsburgh, PA
877-626-8386 • Fax: 412-489-6471
wincan@pipelineanalytics.com
www.pipelineanalytics.com

Pipelogix, Inc.

Palm Desert, CA
866-299-3150 • 760-779-1700 • Fax: 760-406-6023
joan.stone@pipelogix.com
www.pipelogix.com
Ad on page 34

CATEGORY LISTINGS

Radiodetection

Bridgton, ME
877-247-3797 • 207-647-9495 • Fax: 207-647-9496
www.spx.com
www.radiodetection.com
Ad on page 73



RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
Info@rapidview.com
www.rapidview.com
Ad on page 50



Ratech Electronics, Ltd.

Concord, ON Canada
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com
Ad on page 46

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114



RS Technical Services, Inc.

Petaluma, CA
800-767-1974 • 707-778-1974 • Fax: 707-778-1981
sales.info@rstechserv.com
www.rstechserv.com
Ad on page 42

Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
Info@superiorsignal.com
www.superiorsignal.com
Ad on page 111

TV Ferret

Burnt Hills, NY
518-399-2211 • Fax: 518-399-3118
Info@tvferret.com
www.tvferret.com
Ad on page 110



Santa Clara, CA
800-446-3392 • 408-734-1400 • Fax: 408-734-1415
sales@vxmt.com
www.vivax-metrotech.com

Inspection - Mainline

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tteequip@yahoo.com
www.3tequipco.com
Ad on page 53

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com



Aries Industries, Inc.

Waukesha, WI
800-234-7205 • 262-896-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 37

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Clean Water Works Inc.

Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdbrule@cwcanada.com
www.cwcanada.com



Cobra Technologies

Smyrna, GA
800-443-3761 • 770-435-8991 • Fax: 770-435-0402
sales@cobratec.com
www.cobratec.com
Ad on page 54



CUES

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

Cyclops Electronics, Inc.

Boerne, TX
830-249-9756 • Fax: 830-249-8535
cyclopestv@beecreek.net
www.cyclopestv.com

Dynamic Repairs

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

AMERICAN HIGHWAY PRODUCTS LTD.

RAISING AMERICA, ONE INCH AT A TIME

the PIVOTED TURNBUCKLE Manhole Riser



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.



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



NEW! INCLINED RISER. Now you can RAISE & TILT the manhole cover.

SAFETY RAMPS

ELIMINATE

- Vehicle Damage Claims •
- Material Cost for Cold Patch •
- Labor and Disposal Costs •



Toll Free 1-888-272-2397 • www.ahp1.com • e-mail: sales@ahp1.com • Free DVD/CD ROM

Echologics

Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112

Envirosight LLC

Envirosight, LLC
Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
office@envirosight.com
www.envirosight.com
Ad on page 2

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

InfoSense, Inc.

Charlotte, NC
877-747-3245 • Fax: 480-247-4851
achurchill@infosenseinc.com
www.infosenseinc.com

Jack Doheny Supplies

Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

Mainline Backflow Products, Inc.

Edmonton, AB Canada
877-734-8691 • 780-413-7204 • Fax: 780-457-1210
tomc@backwatervalve.com
www.backwatervalve.com
Ad on page 42

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mttechcompany.com
Ad on page 110

MyTana Mfg. Company, Inc.

St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

Pipeline Analytics

Pittsburgh, PA
877-626-8386 • Fax: 412-489-6471
wincan@pipelineanalytics.com
www.pipelineanalytics.com

PipeLogix, Inc.

Palm Desert, CA
866-299-3150 • 760-779-1700 • Fax: 760-406-6023
joan.stone@pipelogix.com
www.pipelogix.com
Ad on page 34



RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
info@rapidview.com
www.rapidview.com
Ad on page 50



Ratech Electronics, Ltd.

Concord, ON Canada
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com
Ad on page 46



RS Technical Services, Inc.

Petaluma, CA
800-767-1974 • 707-778-1974 • Fax: 707-778-1981
sales.info@rstechserv.com
www.rstechserv.com
Ad on page 42

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47



Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.superiorsignal.com
Ad on page 111

TV Ferret

Burnt Hills, NY
518-399-2211 • Fax: 518-399-3118
info@tvferret.com
www.tvferret.com
Ad on page 110

Vivax-Metrotech Corp.

Santa Clara, CA
800-446-3392 • 408-734-1400 • Fax: 408-734-1415
sales@vixmt.com
www.vivax-metrotech.com

Inspection - Manhole/ Confined Space

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com

Clean Water Works Inc.

Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdrule@cwcanada.com
www.cwcanada.com



CUES

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

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
office@envirosight.com
www.envirosight.com
Ad on page 2

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

InfoSense, Inc.

Charlotte, NC
877-747-3245 • Fax: 480-247-4851
achurchill@infosenseinc.com
www.infosenseinc.com

JPCI Services

Mesa, AZ
480-986-1212
info@jpciservices.com
www.jpciservices.com

Pipeline Analytics

Pittsburgh, PA
877-626-8386 • Fax: 412-489-6471
wincan@pipelineanalytics.com
www.pipelineanalytics.com

PipeLogix, Inc.

Palm Desert, CA
866-299-3150 • 760-779-1700 • Fax: 760-406-6023
joan.stone@pipelogix.com
www.pipelogix.com
Ad on page 34



RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
info@rapidview.com
www.rapidview.com
Ad on page 50

Ratech Electronics, Ltd.

Concord, ON Canada
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com
Ad on page 46



RS Technical Services, Inc.

Petaluma, CA
800-767-1974 • 707-778-1974 • Fax: 707-778-1981
sales.info@rstechserv.com
www.rstechserv.com
Ad on page 42

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51

TV Ferret

Burnt Hills, NY
518-399-2211 • Fax: 518-399-3118
info@tvferret.com
www.tvferret.com
Ad on page 110

Inspection - Water Lines

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18



CUES

Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

Echologics

Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112



Envirosight, LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
office@envirosight.com
www.envirosight.com
Ad on page 2

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

Pipeline Analytics

Pittsburgh, PA
877-626-8386 • Fax: 412-489-6471
wincan@pipelineanalytics.com
www.pipelineanalytics.com

CATEGORY LISTINGS



RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
Info@rapidview.com
www.rapidview.com
Ad on page 50



Ratech Electronics, Ltd.

Concord, ON Canada
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com
Ad on page 46

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114



RS Technical Services, Inc.

Petaluma, CA
800-767-1974 • 707-778-1974 • Fax: 707-778-1981
sales.info@rstechserv.com
www.rstechserv.com
Ad on page 42

Instrumentation - Process Control



HACH Company

Loveland, CO
800-227-4224 • 970-669-3050 • Fax: 970-669-2932
orders@hach.com
www.hach.com

IN USA, Inc.

Norwood, MA
781-444-2929 • Fax: 781-444-9229
Info@inuscacorp.com
www.inuscacorp.com

Mil-Ram Technology, Inc.

Fremont, CA
888-464-5726 • 510-656-2001 • Fax: 510-656-2004
sls@mil-ram.com
www.mil-ram.com

Multitrode, Inc.

Boca Raton, FL
561-994-8090 • Fax: 561-994-6282
ussales@multitrode.com
www.multitrode.com
Ad on page 112

Jet/Vac Combination Machines

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tttequip@yahoo.com
www.3tequipco.com
Ad on page 53

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jlp@advancedworld.com
www.advancedworld.com
Ad on page 110

Clean Water Works Inc.

Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdbrule@cwccanada.com
www.cwccanada.com

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36



GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
Inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Hi-Vac Corporation

Marietta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Jack Doheny Supplies

Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mttechcompany.com
Ad on page 110

One Stop
for all your
Jetting & Vacuum Parts



866-448-5547

WWW.EPASALES.COM
INFO@EPASALES.COM

** Custom orders welcome **



Find me on
facebook



Jetter & Vacuum Truck Hose



Pipe



Hydrant Hose



Tiger Tails



Hose Reel Swivel



Nozzles—100's of styles...



Clamps



Float Balls



Grit Catchers



Scrapers, Guides, Hooks, Grabbers etc...



Valves!!!!!!



Manhole Fiberglass Poles

Your Trucks.....Our Parts

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47



Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com

USB - Sewer Equipment Corporation

Marietta, GA
866-408-2814 • 770-984-8880 • Fax: 770-984-2802
Info@usbsec.com
www.USBSEC.com
Ad on page 87

Vac-Con, Inc.

Green Cove Springs, FL
888-491-5762 • 904-284-4200 • Fax: 904-529-8659
vns@vac-con.com
www.vac-con.com
Ad on page 116



Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjslmmelink@gradall.com
www.vacallindustries.com

Vactor Manufacturing

Streator, IL
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vactor.com
www.vactor.com
Ads on pages 3 and 50

Vacuum Sales, Inc.

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

Vermeer

Pella, IA
888-837-6337 • 641-628-3141 • Fax: 641-621-7773
salesinfo@vermeerfmfg.com
www.vermeer.com

Jetters - Portable

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com



Cam Spray

Iowa Falls, IA
800-648-5011 • 641-648-5011 • Fax: 641-648-5013
gillespie@camspray.com
www.camspray.com
Ad on page 16

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1344
krjones@winnelson.com
www.centraloklahomawinnelson.com
Ad on page 18

Chempure Products Corp.

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
chempure@gmail.com
www.chempure.com
Ad on page 42

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

Gamajet Cleaning Systems, Inc.

Exton, PA
877-426-2538 • 610-408-9940 • Fax: 610-408-9945
sales@gamajet.com
www.gamajet.com
Ad on page 83

General Pipe Cleaners/ General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
info@drainbrain.com
www.drainbrain.com
Ad on page 31

Hi-Vac Corporation

Marietta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

K & W Products, Inc.

Elberta, AL
800-503-0076 • 251-986-7900 • Fax: 251-986-7902
sales@kwproducts.net
www.kwmequipment.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110

MyTana Mfg. Company, Inc.

St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cfllr.com
www.sewerequipmentco.com
Ad on page 113

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

Jetters - Truck & Trailer

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tettequip@yahoo.com
www.3tequipco.com
Ad on page 53

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com



Cam Spray

Iowa Falls, IA
800-648-5011 • 641-648-5011 • Fax: 641-648-5013
gillespie@camspray.com
www.camspray.com
Ad on page 16

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

General Pipe Cleaners/ General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
Info@drainbrain.com
www.drainbrain.com
Ad on page 31

Hi-Vac Corporation

Marietta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Jack Doheny Supplies

Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

Vac-Con, Inc.

Green Cove Springs, FL
888-491-5762 • 904-284-4200 • Fax: 904-529-8659
vns@vac-con.com
www.vac-con.com
Ad on page 116

CATEGORY LISTINGS

Vector Manufacturing

Streator, IL
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vactor.com
www.vactor.com
Ads on pages 3 and 50

Laboratory Equipment/ Supplies

HEMCO Corporation

Independence, MO
800-779-4362 • 816-796-2900 • Fax: 816-796-3333
Info@hemcocorp.com
www.hemcocorp.com
Ad on page 110

Laser Profiling

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
Jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Aries Industries, Inc.

Waukesha, WI
800-234-7205 • 262-896-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 37



Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16



Envirosight, LLC
Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
office@envirosight.com
www.envirosight.com
Ad on page 2

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 110



Pipeline Analytics
Pittsburgh, PA
877-626-8386 • Fax: 412-489-6471
wincan@pipelineanalytics.com
www.pipelineanalytics.com



RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
Info@rapidview.com
www.rapidview.com
Ad on page 50



RS Technical Services, Inc.

Petaluma, CA
800-767-1974 • 707-778-1974 • Fax: 707-778-1981
sales.info@rstechserv.com
www.rstechserv.com
Ad on page 42

Lift Stations/Wet Wells

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

Epoxytec International, Inc.

Hollywood, FL
877-463-7699 • 954-961-4656 • Fax: 954-961-2395
msw@epoxytec.com
www.epoxytec.com
Ad on page 63

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

KSBS, Inc.

Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

Neopoxy International, Inc.

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

Pat's Pump & Blower, LLC

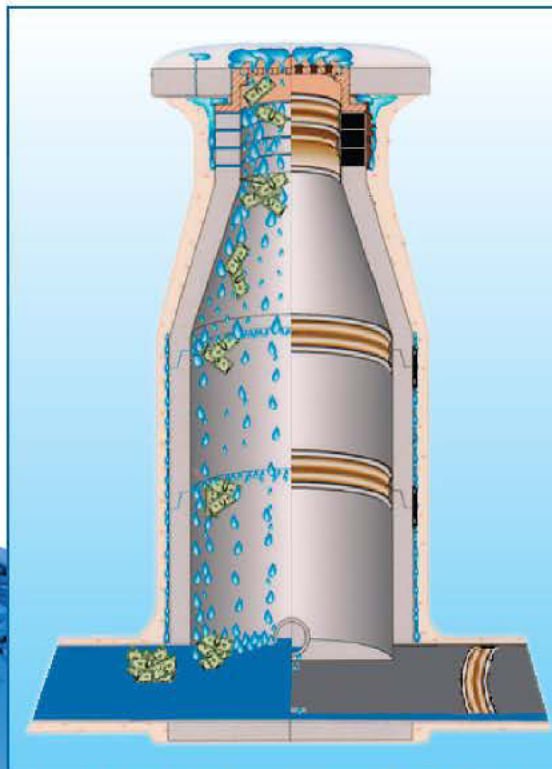
Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36



The Problems

- Leaking Lid
- Leaking Frame & Chimney
- Structure loss in Chimney
- Leaking Barrel Joints
- Leaking Pipe Joints

How much is I&I in your manhole costing you?



The Solutions

- Internal Chimney Seals
- External Chimney Seals
- PRO-RING
- Easy Seal SG
- Internal Joint Seals
- External Joint Wrap
- HydraTite Pipe Joint Seals
- Cretex Grout
- Lid Plugs
- Inflow dishes
- Lid gaskets



N16 W23390 Stoneridge Drive A
Waukesha, WI 53188

Phone: (262) 542-8153
Toll Free: (800) 345-3764
Fax: (262) 542-0301
Website: www.cretexseals.com

**RELINER®
Duran Inc.**

RELINER/Duran Inc.

Lyme, CT
800-508-6001 • 860-434-0277 • Fax: 860-434-3195
duran@relliner.com
www.relliner.com



Smith & Loveless, Inc.

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

Liquid Level Indicator

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

Multitrode, Inc.

Boca Raton, FL
561-994-8090 • Fax: 561-994-6282
ussales@multitrode.com
www.multitrode.com
Ad on page 112



SJE-Rhombus®

Detroit Lakes, MN
888-342-5753 • 218-847-1317 • Fax: 218-847-4617
sje@sjerhombus.com
www.sjerhombus.com

Locators - Electronic

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Dynamic Repairs

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

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

**General Pipe Cleaners/
General Wire Spring**

McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
info@drainbrain.com
www.drainbrain.com
Ad on page 31

Jameson, LLC

Clover, SC
803-222-6400 • Fax: 803-222-8475
dmoses@jamesoncorp.com
www.jamesonllc.com
Ad on page 95

MyTana Mfg. Company, Inc.

St. Paul, MN
800-328-8170 • 651-222-1738 • Fax: 651-222-1739
mytana@mytana.com
www.mytana.com
Ad on page 24



Prototek Corporation

Poulsbo, WA
800-541-9123 • 360-779-1310 • Fax: 360-779-1510
prototeksales@prototek.net
www.prototek.net
Ad on page 45

Radiodetection

Bridgton, ME
877-247-3797 • 207-647-9495 • Fax: 207-647-9496
www.spx.com
www.radiodetection.com
Ad on page 73

SubSurface Locators, Inc.

San Jose, CA
877-778-0763 • 408-249-4673 • Fax: 408-249-9653
sldi@mindspring.com
www.subsurfacelocators.com
Ad on page 87

USABlueBook

Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

Uticom Systems, Inc.

Coatesville, PA
610-857-2655 • Fax: 610-857-2986
ben@uticom.net
www.uticom.net
Ad on page 112

Vivax-Metrotech Corp.

Santa Clara, CA
800-446-3392 • 408-734-1400 • Fax: 408-734-1415
sales@vxmt.com
www.vivax-metrotech.com

**Locators -
Pipe/Leak/Valve/Sewer**

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Echologics

Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112



Fluid Conservation Systems, Inc.

Milford, OH
800-531-5465 • 513-831-9335 • Fax: 513-831-9336
mblackburn@fluidconservation.com
www.fluidconservation.com

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

**General Pipe Cleaners/
General Wire Spring**

McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
info@drainbrain.com
www.drainbrain.com
Ad on page 31

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.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 110

NEPTCO, Inc.

30 Hamlet St.
Pawtucket, RI 02861
800-354-5445 • 401-722-5500 • Fax: 401-722-6378
Ad on page 41

NozzTeg, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
info@nozzteg.com
www.nozzteg.com
Ad on page 93

Ratech Electronics, Ltd.

Concord, ON Canada
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com
Ad on page 46

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
scott.rauen@ssilocators.com
www.ssilocators.com
Ad on page 110

SubSurface Locators, Inc.

San Jose, CA
877-778-0763 • 408-249-4673 • Fax: 408-249-9653
sldi@mindspring.com
www.subsurfacelocators.com
Ad on page 87

Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
info@superiorsignal.com
www.superiorsignal.com
Ad on page 111

USABlueBook

Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

Vector Manufacturing

Streator, IL
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vactor.com
www.vactor.com
Ads on pages 3 and 50



Vivax-Metrotech Corp.

Santa Clara, CA
800-446-3392 • 408-734-1400 • Fax: 408-734-1415
sales@vxmt.com
www.vivax-metrotech.com

Locators - Smoke/Dye



Miamisburg, OH
800-394-0678 • 937-886-9100 • Fax: 937-886-9300
sales@brightdyes.com
www.brightdyes.com
Ad on page 111

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113



Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466 • Fax: 605-743-2465
lynn@gethurco.com
www.gethurco.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 110

CATEGORY LISTINGS

Superior SMOKE

Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
Info@superiorsignal.com
www.superiorsignal.com
Ad on page 111



Turbo Fog

Miamisburg, OH
800-394-0678 • 937-886-9100 • Fax: 937-886-9300
sales@turbo-fog.com
www.turbo-fog.com
Ad on page 113

USABlueBook

Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

Manhole Inserts



LADTECH, Inc.

Lino Lakes, MN
877-235-7464 • 651-415-1252 • Fax: 651-415-1090
adjring@ladtech.com
www.ladtech.com
Ad on page 65

McGard

Orchard Park, NY
888-888-9192 • 716-662-8980 • Fax: 716-662-8985
rglass@mcgard.com
www.manholelocks.com
Ad on page 71

Mr. Manhole

Delphos, OH
419-229-3015 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com
Ad on page 34

Municipal Services, Inc.

Shrewsbury, MA
508-842-8901 • Fax: 508-842-9648
rapocushion@yahoo.com
www.rap-o.biz
Ad on page 97

Parson Environmental Products, Inc.

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

Sewer Shield Composite, LLC

Mesa, AZ
480-830-9537
Info@sewershieldcomposites.com
www.sewershieldcomposites.com

Simple Solutions LLC

West Milford, NJ
866-667-8465 • 973-846-7817 • Fax: 973-358-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com
Ad on page 113



The Man Pan

McMurray, PA
724-942-9500 • Fax: 724-942-7591
johnmanning@themanpan.com
www.themanpan.com

Manhole Parts/ Components

American Highway Products, Ltd.

Bollivar, OH
888-272-2397 • 330-874-3270 • Fax: 330-874-3800
sales@ahp1.com
www.ahp1.com
Ad on page 77

Best Management Products, Inc.

Lyme, CT 06371
800-504-8008 • Fax: 877-434-3197
tjm@bmplnc.com
www.bmplnc.com
Ad on page 111

Cretex Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
Info@cretexseals.com
www.cretexseals.com
Ad on page 81

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79



LADTECH, Inc.

Lino Lakes, MN
877-235-7464 • 651-415-1252 • Fax: 651-415-1090
adjring@ladtech.com
www.ladtech.com
Ad on page 65

Lee Supply Company, Inc.

Charlottesville, VA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

McGard

Orchard Park, NY
888-888-9192 • 716-662-8980 • Fax: 716-662-8985
rglass@mcgard.com
www.manholelocks.com
Ad on page 71

AVOID CONFINED SPACE DANGERS - CLEAN FASTER AND SAFER FOR LESS

THE 12 MINUTE SOLUTION

Keep up with your wet well and manhole maintenance plan. Once a year is NOT enough.

1. Connect Gamajet to Hose
2. Connect Hose to Pump
3. Lower Gamajet (**not your crew**) into Manhole, Wet Well, Lift Station or any other Tank
4. Turn Pump On
5. Relax and Let the Gamajet Blast Away the Debris (Including Grease)

No Pump, No Problem ask us about our GobyJet portable pump system.

GAMAJET®

If you have a tank to clean... we have a way to do it!
Learn more at Gamajet.com or Call 1-877-Gamajet

Mr. Manhole

Delphos, OH
419-229-3015 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com
Ad on page 34

Municipal Services, Inc.

Shrewsbury, MA
508-842-8901 • Fax: 508-842-9648
rapocushlon@yahoo.com
www.rap-o.biz
Ad on page 97

Parson Environmental Products, Inc.

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

RELINER/Duran Inc.

Lyme, CT
800-508-6001 • 860-434-0277 • Fax: 860-434-3195
duran@reliner.com
www.reliner.com

Manhole Rehabilitation Products/Equipment

A.W. Cook Cement

Hoschton, GA
706-654-4706 • Fax: 706-654-3662
cookcement@windstream.net
www.awcookcement.com
Ad on page 111

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 77

AP/M PERMAFORM

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
Info@permaform.net
www.permaform.net
Ad on page 67

Avanti International

Webster, TX
800-877-2570 • 281-486-5600 • Fax: 281-486-7300
sales@avantigrout.com
www.avantigrout.com
Ad on page 18

Clean Water Works Inc.

Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdbrule@cwcanada.com
www.cwcanada.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 81

Duke's Root Control, Inc.

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

Environmental Coatings LLC

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

Epoxytec International, Inc.

Hollywood, FL
877-463-7699 • 954-961-4656 • Fax: 954-961-2395
msw@epoxytec.com
www.epoxytec.com
Ad on page 63

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • Fax: 727-327-4118
lrsl@lrsl.net
www.lrsl.net
Ad on page 9

JPCI Services

Mesa, AZ
480-986-1212
Info@jpciservices.com
www.jpciservices.com

Kenny Construction Co.

Northbrook, IL
847-919-8200 • Fax: 847-272-5421
underground@kennyconstruction.com
www.kennyconstruction.com



LADTECH, Inc.

Lino Lakes, MN
877-235-7464 • 651-415-1252 • Fax: 651-415-1090
adjrling@ladtech.com
www.ladtech.com
Ad on page 65

Lee Supply Company, Inc.

Charlottesville, VA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

LMK Technologies, LLC

Ottawa, IL
815-433-1275 • Fax: 815-433-0107
sales@lmkenterprises.com
www.performanceliner.com
Ad on page 24

Logiball, Inc.

Jackman, ME
800-246-5988 • Fax: 418-653-5746
Info@logiball.com
www.logiball.com

Mr. Manhole

Delphos, OH
419-229-3015 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com
Ad on page 34

Neopoxy International, Inc.

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



Parson Environmental Products, Inc.

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



Perma-Liner Industries, Inc.

Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
Info@perma-liner.com
www.perma-liner.com
Ads on pages 5, 45 and 95

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89

RELINER/Duran Inc.

Lyme, CT
800-508-6001 • 860-434-0277 • Fax: 860-434-3195
duran@reliner.com
www.reliner.com

RS Technik

Cary, NC
919-481-1977 • Fax: 919-651-1384
contact@rstechnik.us
www.rstechnik.us

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cfl.rr.com
www.sewerequipmentco.com
Ad on page 113

Sewer Shield Composite, LLC

Mesa, AZ
480-830-9537
Info@sewershieldcomposites.com
www.sewershieldcomposites.com

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51

SpectraShield Liner Systems

Jacksonville, FL
800-284-2030 • 904-419-4889 • Fax: 904-419-4892
Info@spectrashield.com
www.spectrashield.com
Ad on page 93



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 29



TRELLEBORG

Trelleborg Pipe Seals Milford Inc.

Milford, NH
800-626-2180 • Fax: 603-673-7271
simon.burke@trelleborg.com
www.trelleborg.com/npc

USB - Sewer Equipment Corporation

Marietta, GA
866-408-2814 • 770-984-8880 • Fax: 770-984-2802
Info@usbsec.com
www.USBSEC.com
Ad on page 87

WBE Dorcas, Inc.

Colorado Springs, CO
719-686-5988 • Fax: 719-576-1904
dorcas@wbedorcas.com
www.wbedorcas.com

Western Slope Utilities, LLC

Breckenridge, CO
970-453-2810 • Fax: 970-453-4044
dan@wsulinc.net
www.wsulinc.net

Manhole Vacuum Testing

Cherne Industries, Inc.

Minneapolis, MN
800-843-7584 • 952-933-5501 • Fax: 800-843-7585
gdanaher@cherneind.com
www.cherneind.com
Ad on page 49

Environmental Products & Accessories, LLC

Cary, NC
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cfl.rr.com
www.sewerequipmentco.com
Ad on page 113

Meters - Remote Disconnect

Mueller Systems

Cleveland, NC
800-323-8584 • 704-278-2221
customercare@muellersystems.com
www.muellersystems.com
Ad on page 111

Meters - Sewer/Flow

Fluid Conservation Systems, Inc.

Milford, OH
800-531-5465 • 513-831-9335 • Fax: 513-831-9336
mblackburn@fluidconservation.com
www.fluidconservation.com

Hach Flow Meter Products & Services

Frederick, MD
800-368-2723 • 301-874-5599 • Fax: 301-874-8459
hachflowsales@hach.com
www.hachflow.com
Ad on page 19

CATEGORY LISTINGS

Meters - Water/Flow

Fluid Conservation Systems, Inc.

Milford, OH
800-531-5465 • 513-831-9335 • Fax: 513-831-9336
mblackburn@fluidconservation.com
www.fluidconservation.com

Hach Flow Meter Products & Services

Frederick, MD
800-368-2723 • 301-874-5599 • Fax: 301-874-8459
hachflowsales@hach.com
www.hachflow.com
Ad on page 19

Mueller Systems

Cleveland, NC
800-323-8584 • 704-278-2221
customer@muellersystems.com
www.muellersystems.com
Ad on page 111

Parson Environmental Products, Inc.

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

Sierra Instruments, Inc.

Monterey, CA
800-866-0200 • 831-373-0200 • Fax: 831-373-4402
Info@sierrainstruments.com
www.sierrainstruments.com

Mobile Communications

Smith & Loveless, Inc.

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

Monitoring Equipment

Smith & Loveless, Inc.

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

Net Capture Systems

Fresh Creek Technologies, Inc.

Cedar Grove, NJ
800-741-9486 • 973-237-9099 • Fax: 973-237-0744
fresh@freshcreek.com
www.freshcreek.com
Ad on page 113

Nozzles - High Pressure

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tteequip@yahoo.com
www.3tequipco.com
Ad on page 53

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com

Chempure Products Corp.

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
chempure@gmail.com
www.chempure.com
Ad on page 42

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

enz[®] usa inc.

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusa.com
www.enzusa.com
Ad on page 36

Gamajet Cleaning Systems, Inc.

Exton, PA
877-426-2538 • 610-408-9940 • Fax: 610-408-9945
sales@gamajet.com
www.gamajet.com
Ad on page 83

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 • Fax: 412-771-2771
Info@drainbrain.com
www.drainbrain.com
Ad on page 31

General Pump

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

ultra ultra ultra
LIGHT – VERSATILE – SAFE

ultraSHORE

PRODUCTS



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

POWERHOUSE LIFT STATION SOLUTIONS

chempace
corporation

www.CHEMPACE.com

CONTINUOUS
TREATMENT!

**bioFORCE
BLOCK**

Bacterial
treatment,
controls odors
& reduces grease

**bioFORCE
B220 RED
2-PACKET
SYSTEM**

Biological
grease control

CITRUS AROMA

BIG RED

Floating solvent
cleans grease,
oil, and sludge

ORANGE AID

Floating degreaser &
deodorizer dissolves
grease and sludge

800-423-5350

BUYING DIRECT ALWAYS EQUALS COST SAVINGS!

Giant Industries, Inc.

Toledo, OH
419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Hammelmann Corp.

Dayton, OH
800-783-4935 • 937-859-8777 • Fax: 937-859-9188
mail@hammelmann.com
www.hammelmann.com

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@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 110



NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phill@petersenproducts.com
www.pipeplug.com
Ad on page 89

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cfl.ir.com
www.sewerequipmentco.com
Ad on page 113

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112



USB - SEC USB - Sewer Equipment Corporation

Marietta, GA
866-408-2814 • 770-984-8880 • Fax: 770-984-2802
Info@usbsec.com
www.USBSEC.com
Ad on page 87

Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjsimmellink@gradall.com
www.vacallindustries.com

Vactor Manufacturing

Streator, IL
800-627-3171 • 815-672-3171 • Fax: 815-672-2779
sales@vactor.com
www.vactor.com
Ads on pages 3 and 50

Odor Control Products/Equipment

Anua

Greensboro, NC
336-547-9338 • Fax: 336-547-8559
Info@anua-us.com
www.anua-us.com

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Chempace Corporation

Toledo, OH
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
vhorvath@chempace.com
www.chempace.com
Ad on page 85

IN USA, Inc.

Norwood, MA
781-444-2929 • Fax: 781-444-9229
Info@inusacorp.com
www.inusacorp.com

IPEX USA LLC

Mississauga, ON Canada
800-463-9572 • 905-403-0264 • Fax: 905-403-1124
marketing@ipexamerica.com
www.ipexamerica.com
Ad on page 11

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

Parson Environmental Products, Inc.

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

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Safe-Tee Chemical Company

Scottsdale, AZ
866-366-0587 • 480-968-6828 • Fax: 480-968-6776
service@safetechechemical.com
www.safetechechemical.com
Ad on page 113

Simple Solutions LLC

West Milford, NJ
866-667-8465 • 973-846-7817 • Fax: 973-358-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com
Ad on page 113

Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
Info@superiorsignal.com
www.superiorsignal.com
Ad on page 111

Oil Spill Recovery/Clean-up

Advanced Aquatic Products International, Inc.

Miami, FL
800-738-7647 • 305-388-7195 • Fax: 305-388-7196
advaquaticprods@aol.com
www.hydro-cartridge.com
Ad on page 89

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Chempace Corporation

Toledo, OH
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
vhorvath@chempace.com
www.chempace.com
Ad on page 85

Eldred Environmental

Milan, IL
800-613-3640 • 309-787-3640 • Fax: 309-787-3635
Info@fol-da-tank.com
www.eldredenvironmental.com

Safe-Tee Chemical Company

Scottsdale, AZ
866-366-0587 • 480-968-6828 • Fax: 480-968-6776
service@safetechechemical.com
www.safetechechemical.com
Ad on page 113

Pipe - Concrete

HOBAS Pipe USA

Houston, TX
800-856-7473 • 281-821-2200 • Fax: 281-821-7715
www.hobaspipe.com
Ad on page 43

ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

Pipe - Condition Assessment

Echologics

Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112

Pipe - Fiberglass

ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

Pipe - Polyethylene

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

Agru America, Inc.

Georgetown, SC
800-373-2478 • Fax: 843-527-2738
as@agruamerica.com
www.agruamerica.com
Ad on page 9



Custom Holesaw Technologies, Corp.

Silverton, OR 97381
503-873-6101 • Fax: 503-212-0205
jh@customholesaw.com
www.customholesaw.com
Ad on page 42

HOBAS Pipe USA

Houston, TX
800-856-7473 • 281-821-2200 • Fax: 281-821-7715
www.hobaspipe.com
Ad on page 43

ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

Lee Supply Company, Inc.

Charlerot, PA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

McElroy Manufacturing, Inc.

Tulsa, OK
918-836-8611
fusionsales@mcelroy.com
www.mcelroy.com/fusion
Ad on page 110

Pipe - Polypropylene

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

McElroy Manufacturing, Inc.

Tulsa, OK
918-836-8611
fusionsales@mcelroy.com
www.mcelroy.com/fusion
Ad on page 110

CATEGORY LISTINGS

Pipe - PVC

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

IPEX USA LLC

Mississauga, ON Canada
800-463-9572 • 905-403-0264 • Fax: 905-403-1124
marketing@ipexamerica.com
www.ipexamerica.com
Ad on page 11

Lee Supply Company, Inc.

Charleroi, PA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

Pipe - Steel

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Lee Supply Company, Inc.

Charleroi, PA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

Pipe - Supports

RELINER® Duran Inc.

RELINER/Duran Inc.

Lyme, CT
800-508-6001 • 860-434-0277 • Fax: 860-434-3195
duran@reliner.com
www.reliner.com

Pipe Bursting

Footage Tools, Inc.

Vaughan, ON Canada
888-737-3668 • Fax: 905-695-8874
df@footage.ca
www.footagetools.com
Ad on page 111

Formadrain, Inc.

Sunny Isles Beach, FL
888-337-6764
Info@formadrain.com
www.formadrain.com
Ad on page 75



Hammerhead Trenchless Equipment

Oconomowoc, WI
800-331-6653 • 262-567-8833 • Fax: 262-567-5068
Info@hammerheadmole.com
www.hammerheadtrenchless.com
Ad on page 17

TRIC Tools, Inc.

Alameda, CA
888-883-8742 • 510-629-4167 • Fax: 510-217-9493
Info@trictools.com
www.trictools.com
Ad on page 110

Pipe Cutters

Custom Holesaw Technologies, Corp.

Silverton, OR
038-736-6101 • Fax: 503-212-0205
Jh@customholesaw.com
www.customholesaw.com
Ad on page 42



ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cfl.rr.com
www.sewerequipmentco.com
Ad on page 113

Pipe Fusion

Footage Tools, Inc.

Vaughan, ON Canada
888-737-3668 • Fax: 905-695-8874
df@footage.ca
www.footagetools.com
Ad on page 111

Global Pump Company

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



USB - SEC

Often Imitated, Never Duplicated

PIPE WOLF NOZZLES

Have you ever had a Sanitary Sewer Overflow emergency due to a total blockage? Rest assured,

all you have to do is just send the **Wolf**, the

Pipe Wolf that is. This unrivaled nozzle is the only tool you need in those emergency situations caused by roots, grease, silt or any other organic material. A tempered stainless steel head is turbine driven and spins at approx. 6,000-12,000 RPM depending on the flow and pressure of the pump. The Pipe Wolf succeeds where standard hydrodynamic tools fail and will penetrate and remove the blockage or obstruction.

BEST BANG FOR YOUR BUCK!



USB - SEC

USB-Sewer Equipment Corporation

1700 Enterprise Way • Suite 116 • Marietta, GA 30067
Toll Free 866-408-2814 • PHONE 770-984-8880 • FAX 770-984-2802
Email info@usbsec.com • Web www.usbsec.com

Reliable Locators Don't Have to be Expensive



PL-1500
Single Frequency
Pipe & Cable
Locator



PL-2000
Multi-Frequency
Pipe and Cable
Locator

Contact us at either location

SubSurface Locators Inc.
toll free: 877-778-0763
www.subsurfacelocators.com

SubSurface Instruments Inc.
toll free: 855-422-6346
www.ssilocators.com

Lee Supply Company, Inc.

Charlottesville, VA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

McElroy Manufacturing, Inc.

Tulsa, OK
918-836-8611
fusionsales@mcelroy.com
www.mcelroy.com/fusion
Ad on page 110

Mersino

Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

Pipe Parts - Fittings & Components

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

Agri America, Inc.

Georgetown, SC
800-373-2478 • Fax: 843-527-2738
as@agriamerica.com
www.agriamerica.com
Ad on page 9

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralokwinnelson.com
Ad on page 18



Custom Holesaw Technologies, Corp.

Silverton, OR 97381
503-873-6101 • Fax: 503-212-0205
Jh@customholesaw.com
www.customholesaw.com
Ad on page 42

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Global Pump Company

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

HARCO Fittings

Lynchburg, VA
434-845-7094 • Fax: 434-845-8562
sales@harcofittings.com
www.harcofittings.com
Ad on page 110

Lee Supply Company, Inc.

Charlottesville, VA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

Mersino

Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

RELINER/Duran Inc.

Lyme, CT
800-508-6001 • 860-434-0277 • Fax: 860-434-3195
duran@reliner.com
www.reliner.com

Pipe Plugs

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tteequip@yahoo.com
www.3tequipco.com
Ad on page 53



Advanced Valve Technologies, Inc.

Elk Grove Village, IL
877-489-4909 • 847-364-3700 • Fax: 847-364-8883
avtkey@aol.net
www.avtfittings.com

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112



Logiball, Inc.

Jackman, ME
800-246-5988 • Fax: 418-653-5746
Info@logiball.com
www.logiball.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Parson Environmental Products, Inc.

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

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.plpeplug.com
Ad on page 89

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cfl.ir.com
www.sewerequipmentco.com
Ad on page 113



TRELLEBORG Trelleborg Pipe Seals Milford Inc.

Milford, NH
800-626-2180 • Fax: 603-673-7271
simon.burke@trelleborg.com
www.trelleborg.com/npc

Pipeline Rehabilitation/Lining

Agri America, Inc.

Georgetown, SC
800-373-2478 • Fax: 843-527-2738
as@agriamerica.com
www.agriamerica.com
Ad on page 9

AP/M PERMAFORM

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
Info@permaform.net
www.permaform.net
Ad on page 67

Applied Felts, Inc.

Martinsville, VA
276-656-1904 • Fax: 276-656-1909
Info@appliedfelts.com
www.appliedfelts.com
Ad on page 23

Avanti International

Webster, TX
800-877-2570 • 281-486-5600 • Fax: 281-486-7300
sales@avantigrout.com
www.avantigrout.com
Ad on page 18

CIPP Services, LLC

La Salle, IL
815-712-8708 • Fax: 815-220-1918
sales@cipp-services.com
www.cipp-services.com
Ad on page 91

Cretex Specialty Products

Waukesha, WI
800-345-3764 • 262-542-8153 • Fax: 262-542-0301
Info@cretexseals.com
www.cretexseals.com
Ad on page 81

Custom Holesaw Technologies, Corp.

Silverton, OR
038-736-6101 • Fax: 503-212-0205
Jh@customholesaw.com
www.customholesaw.com
Ad on page 42

Duke's Root Control, Inc.

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

ENECON Corporation

Medford, NY
888-436-3266 • 516-349-0022 • Fax: 516-349-5522
Info@enecon.com
www.enecon.com

Envirosight, LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
office@envirosight.com
www.envirosight.com
Ad on page 2

Epoxytec International, Inc.

Hollywood, FL
877-463-7699 • 954-961-4656 • Fax: 954-961-2395
msw@epoxytec.com
www.epoxytec.com
Ad on page 63

Footage Tools, Inc.

Vaughan, ON Canada
888-737-3668 • Fax: 905-695-8874
df@footage.ca
www.footagetools.com
Ad on page 111

Formadrain, Inc.

Sunny Isles Beach, FL
888-337-6764
Info@formadrain.com
www.formadrain.com
Ad on page 75

HOBAS Pipe USA

Houston, TX
800-856-7473 • 281-821-2200 • Fax: 281-821-7715
www.hobaspipeline.com
Ad on page 43

ICS - PowerGrit

Portland, OR
800-797-4748 • Fax: 503-653-4393
Info@powergrit.com
www.powergrit.com

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • Fax: 727-327-4118
Irsi@irsl.net
www.irsl.net
Ad on page 9

Inliner Technologies

Paoli, IN
812-723-0704 • Fax: 812-723-5998
Info@inliner.net
www.inliner.net

CATEGORY LISTINGS

Kenny Construction Co.
Northbrook, IL
847-919-8200 • Fax: 847-272-5421
underground@kennyconstruction.com
www.kennyconstruction.com

Lametti & Sons, Inc.



Lametti & Sons
Hugo, MN
651-426-1380 • Fax: 651-426-0044
fredc@lametti.com
www.lametti.com



Layne Inliner, LLC
Orleans, IL
812-865-3232 • Fax: 812-865-3075
inlinerinfo@layne.com
www.layne.com

LMK Technologies, LLC

Ottawa, IL
815-433-1275 • Fax: 815-433-0107
sales@lmkenterprises.com
www.performancellner.com
Ad on page 24



Logiball, Inc.
Jackman, ME
800-246-5988 • Fax: 418-653-5746
Info@logiball.com
www.logiball.com

McElroy Manufacturing, Inc.

Tulsa, OK
918-836-8611
fusionsales@mcelroy.com
www.mcelroy.com/fusion
Ad on page 110

Neopoxy International, Inc.

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



Perma-Liner Industries, Inc.

Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ads on pages 5, 45 and 95

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89



Pipeline Renewal Technologies

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

Quik Lining Systems, Inc.

Estelline, SD
714-296-5262 • Fax: 866-784-4858
jhelster@quiklining.com
www.quiklining.com

Ratech Electronics, Ltd.

Concord, ON Canada
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com
Ad on page 46

Reline America, Inc.

Saltville, VA
866-998-0808 • 276-496-4000 • Fax: 276-496-4870
dverderame@relineamerica.com
www.relineamerica.com
Ad on page 33

RS Technik

Cary, NC
919-481-1977 • Fax: 919-651-1384
contact@rstechnik.us
www.rstechnik.us

Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
Info@superiorsignal.com
www.superiorsignal.com
Ad on page 111



TRELLEBORG

Trelleborg Pipe Seals Milford Inc.

Milford, NH
800-626-2180 • Fax: 603-673-7271
simon.burke@trelleborg.com
www.trelleborg.com/npc

TRIC Tools, Inc.

Alameda, CA
888-883-8742 • 510-629-4167 • Fax: 510-217-9493
Info@trictools.com
www.trictools.com
Ad on page 110



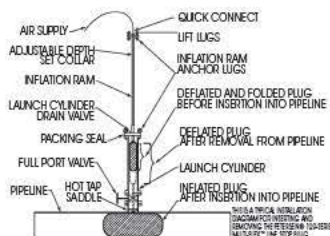
TRY TEK Machine Works, Inc.

Jacobus, PA
717-428-1477 • Fax: 717-428-2865
trytek@trytek.com
www.trytek.com

Petersen® Pipe Plugging Systems



Economical Hot Tap 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.

www.pipeplug.com

Petersen PRODUCTS COMPANY
Serving Professionals Since 1916

PHONE 800.926.1926 OR 262.692.2416
FAX 800.669.1434 OR 262.692.2418

Stormwater Pollution Control

Captures 100% of Any Liquid Spill!

www.Hydro-Cartridge.com

Hydro-Cartridge™

- Easy Installation
- Simple Maintenance
- Easily Retrofits ANY Inlet
- 35 Year Life Span



Contact information:

Advanced Aquatic Products International, Inc.

1.800.738.7646

www.Hydro-Cartridge.com

**Western Slope
Utilities LLC**
A Subsidiary of Henry Construction Company

Western Slope Utilities, LLC
Breckenridge, CO
970-453-2810 • Fax: 970-453-4044
dan@wsulinc.net
www.wsulinc.net

Pipeline Stopping

**Advanced Valve
Technologies, Inc.**

Advanced Valve Technologies, Inc.
Elk Grove Village, IL
877-489-4909 • 847-364-3700 • Fax: 847-364-8883
avtkev@aol.net
www.avtfittings.com

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89

Trelleborg Pipe Seals Milford Inc.

Milford, NH
800-626-2180 • Fax: 603-673-7271
simon.burke@trelleborg.com
www.trelleborg.com/hpc

**Pipeline Surveying &
Mapping (GPS/GIS)**

GRANITE^{XP}
Asset Inspection & Decision Support Software
for the Water Industry

CUES
Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

Echologics

Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112

Envirosight, LLC

Randolph, NJ
866-936-8476 • 973-252-6700 • Fax: 973-252-1176
office@envirosight.com
www.envirosight.com
Ad on page 2

InfoSense, Inc.

Charlotte, NC
877-747-3245 • Fax: 480-247-4851
achurchill@infosenseinc.com
www.infosenseinc.com

**Pipeline
Analytics**

Pipeline Analytics
Pittsburgh, PA
877-626-8386 • Fax: 412-489-6471
wincan@pipelineanalytics.com
www.pipelineanalytics.com

Vivax-Metrotech Corp.

Santa Clara, CA
800-446-3392 • 408-734-1400 • Fax: 408-734-1415
sales@vivaxmt.com
www.vivax-metrotech.com

Pipeline Tapping

**Advanced Valve
Technologies, Inc.**

Advanced Valve Technologies, Inc.
Elk Grove Village, IL
877-489-4909 • 847-364-3700 • Fax: 847-364-8883
avtkev@aol.net
www.avtfittings.com

Custom Holesaw Technologies, Corp.

Silverton, OR 97381
503-873-6101 • Fax: 503-212-0205
jh@customholesaw.com
www.customholesaw.com
Ad on page 42

Footage Tools, Inc.

Vaughan, ON Canada
888-737-3668 • Fax: 905-695-8874
df@footage.ca
www.footagetools.com
Ad on page 111

McElroy Manufacturing, Inc.

Tulsa, OK
918-836-8611
fusionsales@mcelroy.com
www.mcelroy.com/fusion
Ad on page 110

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89

Pipeline Testing Equipment

Cherne Industries, Inc.

Minneapolis, MN
800-843-7584 • 952-933-5501 • Fax: 800-843-7585
gdanaher@cherneind.com
www.cherneind.com
Ad on page 49

**Positive Displacement
Blowers**

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3177
inquiry@gapvax.com
www.gapvax.com
Ad on page 115

hibon

Hibon Inc., a division of Ingersoll Rand
Dorval, QC Canada
888-704-4266 • 514-351-3501 • Fax: 866-786-9163
jeff_peterson@irco.com
www.hibon.com

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
info@pressurewasher.net
www.pressurewasher.net

Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
Info@superiorsignal.com
www.superiorsignal.com
Ad on page 111

Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjsimmelln@gradall.com
www.vacallindustries.com

**Pressure
Testing Equipment**

Cherne Industries, Inc.

Minneapolis, MN
800-843-7584 • 952-933-5501 • Fax: 800-843-7585
gdanaher@cherneind.com
www.cherneind.com
Ad on page 49

Giant Industries, Inc.

Toledo, OH
419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466 • Fax: 605-743-2465
lynn@gethurco.com
www.gethurco.com

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

Logiball, Inc.

Jackman, ME
800-246-5988 • Fax: 418-653-5746
Info@logiball.com
www.logiball.com

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89

**Pressure Washers
and Sprayers**

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Amazing Machinery, Inc.

Chattanooga, TN
800-504-7435 • 423-326-2676 • Fax: 800-504-7436
sales@amazingmachinery.com
www.amazingmachinery.com



Cam Spray

Iowa Falls, IA
800-648-5011 • 641-648-5011 • Fax: 641-648-5013
gillespie@camspray.com
www.camspray.com
Ad on page 16

Chempure Products Corp.

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
chempure@gmail.com
www.chempure.com
Ad on page 42

Gamajet Cleaning Systems, Inc.

Exton, PA
877-426-2538 • 610-408-9940 • Fax: 610-408-9945
sales@gamajet.com
www.gamajet.com
Ad on page 83

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

**Pump Parts/
Components**

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

**AMT Pump
(American Machine & Tool Co.)**

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtpump.com
Ad on page 110

Babbitt Bearing Company Inc.

San Jose, CA
408-298-1101 • Fax: 408-998-4134
Info@bbcmachine.com
www.bbcmachine.com
Ad on page 113

CATEGORY LISTINGS

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
kjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Cloverleaf Tool Co.

Talleast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

General Pump

Mendota Heights, MN
888-474-5487 • 651-454-6500 • Fax: 651-454-8015
sales@gpcompanies.com
www.generalspump.com

Global Pump Company

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: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

Hibon Inc., a division of Ingersoll Rand

Dorval, QC Canada
888-704-4266 • 514-351-3501 • Fax: 866-786-9163
Jeff_peterson@irco.com
www.hibon.com

KSB, Inc.

Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

Lee Supply Company, Inc.

Charleroi, PA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net

SJE Rhombus

SJE-Rhombus®
Detroit Lakes, MN
888-342-5753 • 218-847-1317 • Fax: 218-847-4617
sje@sjerhombus.com
www.sjerhombus.com

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

Pumps - Aeration

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Pumps - Centrifugal

Global Pump Company

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

Pumps - Dewatering/Bypass

Global Pump Company

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: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

Mersino


Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

Pumps - Effluent/Sewage/Sump

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

DIAMOND TAP/LATERAL CUTTERS



Ideal For Cutting Cast Iron/Clay Taps In Sewer Lines

Part #	Size	Cost
DCD6	6"	\$1200
DCD8	8"	\$1500
DCD10	10"	\$1975
DCD12	12"	\$2500
DCD15	15"	\$3200
DCD18	18"	Special Order

Add A Cloverleaf Hydraulic Motor & Skids

"Pipe/Sewer Cleaning & Maintenance Equipment for Jetters & Jet/Vacs"


Cloverleaf TOOL CO.
SARASOTA, FLORIDA • PHONE: 941-739-0707 • FAX: 941-739-0001

Toll Free: 800-365-6583
www.cloverleaftool.com

CIPP

La Salle, Illinois


Services, Inc.



Steam & Hot Water Boiler Trucks

Wet-Out Tables • Air Inverters • Static Resin Mixers
• 53' Reefer - Hydraulic CIPP Liner Unloader Trailers •

Phone: 815 - 712 - 8708
Fax: 815 - 220 - 1920
E-Mail: sales@cipp-services.com



FAST PIPE LINING

Ready To Install,
Resin Saturated
Cured-In-Place Pipe Liners

PH: 815-715-8708 E-Mail: sales@fastpipelining.com

www.CIPP-SERVICES.COM **www.FASTPIPELINING.COM**

**AMT Pump
(American Machine & Tool Co.)**

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com
Ad on page 110

Babbitt Bearing Company Inc.

San Jose, CA
408-298-1101 • Fax: 408-998-4134
Info@bbcmachine.com
www.bbcmachine.com
Ad on page 113

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Global Pump Company

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: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

Komline-Sanderson

Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
Info@komline.com
www.komline.com
Ad on page 15



KSB, Inc.
Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

Smith & Loveless, Inc.

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

**Pumps -
Grinder**

**AMT Pump
(American Machine & Tool Co.)**

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com
Ad on page 110

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

**Pumps -
High Pressure Water**

**AMT Pump
(American Machine & Tool Co.)**

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com
Ad on page 110

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Chempure Products Corp.

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
chempure@gmail.com
www.chempure.com
Ad on page 42

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

Gamajet Cleaning Systems, Inc.

Exton, PA
877-426-2538 • 610-408-9940 • Fax: 610-408-9945
sales@gamajet.com
www.gamajet.com
Ad on page 83

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, Inc.

Toledo, OH
419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Global Pump Company

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: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

Hammelmann Corp.

Dayton, OH
800-783-4935 • 937-859-8777 • Fax: 937-859-9188
mail@hammelmann.com
www.hammelmann.com

Hi-Vac Corporation

Marletta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Mersino

Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

US Jetting, LLC

Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjstimmelink@gradall.com
www.vacallindustries.com

**Pumps -
Stormwater**

Gorman-Rupp Company

Mansfield, OH
419-755-1011 • Fax: 419-755-1208
grsales@gormanrupp.com
www.GRpumps.com
Ad on page 27

KSB, Inc.

Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Smith & Loveless, Inc.

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

**Pumps -
Test**

Hurco Technologies, Inc.

Harrisburg, SD
800-888-1436 • 605-743-2466 • Fax: 605-743-2465
lynn@gethurco.com
www.gethurco.com

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Petersen Products Co.

Fredonia, WI
800-926-1926 • 262-692-2416 • Fax: 262-692-2418
phil@petersenproducts.com
www.pipeplug.com
Ad on page 89

**Pumps -
Vacuum Pressure**

Cloverleaf Tool Co.

Tallevast, FL
800-365-6583 • 941-739-0707 • Fax: 941-739-0001
sales@cloverleaftool.com
www.cloverleaftool.com
Ads on pages 91, 99 and 113

**Environmental Products &
Accessories, LLC**

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Global Pump Company

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

Hibon Inc., a division of Ingersoll Rand

Dorval, QC Canada
888-704-4266 • 514-351-3501 • Fax: 866-786-9163
jeff_peterson@irco.com
www.hibon.com

CATEGORY LISTINGS

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Vacuum Sales, Inc.

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

Pumps - Washdown

AMT Pump

(American Machine & Tool Co.)

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com
Ad on page 110

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.generumpump.com

Giant Industries, Inc.

Toledo, OH
419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Pumps - Water

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jw@advancedworld.com
www.advancedworld.com
Ad on page 110

AMT Pump

(American Machine & Tool Co.)

Royersford, PA
610-948-3800 • Fax: 610-948-5300
sales@amtump.com
www.amtump.com
Ad on page 110

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
info@epasales.com
www.epasales.com
Ad on page 79

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.generumpump.com

Giant Industries, Inc.

Toledo, OH
419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Global Pump Company

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: 419-755-1208
grsales@gormanrupp.com
www.GRPumps.com
Ad on page 27

I.D.S. Enterprises, Inc.

Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
idsenterprises@msn.com
www.idsfilterboxes.com
Ad on page 111



KSB, Inc.

Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

Lee Supply Company, Inc.

Charlottesville, VA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
info@leesupply.com
www.leesupply.com
Ad on page 46

Rent Me!

NozzTeq®
Taking Science to the Sewer![®]
Equipment Engineered for Long Lasting Performance™

Paikert™

Rental and Leasing Services Available!

Call For FREE DVD

www.nozzteq.com
Phone: 1.866.620.5915
Fax: 603.413.6744

NASSCO Member

SPECTRASHIELD
LINER SYSTEMS
MANHOLE & WETWELL RESTORATION

Prevents Corrosion & Stops Infiltration
Stress Skin Panel Adds Structural Strength
Restores Structure Walls to Original Levels
Cost Competitive

10-YEAR WARRANTY
A 7' DEEP MANHOLE CAN BE LINED IN
LESS THAN 1 HOUR

SpectraShield® Liner System
www.spectrashield.com

Mersino
Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

Pat's Pump & Blower, LLC
Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Sewer Equipment Co. of America
Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

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

USABlueBook
Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

Reinstatement Cutters

Aries Industries, Inc.
Waukesha, WI
800-234-7205 • 262-896-7205 • Fax: 262-896-7099
sales@ariesindustries.com
www.ariesindustries.com
Ad on page 37

"The Standard of the Industry"



CUES
Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

Enz USA, Inc.
Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

LMK Technologies, LLC
Ottawa, IL
815-433-1275 • Fax: 815-433-0107
sales@lmkenterprises.com
www.performancelliner.com
Ad on page 24

MTech
Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110

NozzTeq, Inc.
Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com
Ad on page 93



Perma-Liner Industries, Inc.
Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
info@perma-liner.com
www.perma-liner.com
Ads on pages 5, 45 and 95



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

Trelleborg Pipe Seals Milford Inc.
Milford, NH
800-626-2180 • Fax: 603-673-7271
simon.burke@trelleborg.com
www.trelleborg.com/npc



TRY TEK Machine Works, Inc.
Jacobus, PA
717-428-1477 • Fax: 717-428-2865
trytek@trytek.com
www.trytek.com

Rental Equipment

Ashbrook Simon-Hartley
Houston, TX
800-362-9041 • 281-449-0322 • Fax: 281-449-1324
carl.boyd@as-h.com
www.as-h.com
Ad on page 111



BDP Industries, Inc.
Greenwich, NY
518-527-5417 • Fax: 518-695-5417
kelly@bdpindustries.com
www.bdpindustries.com

Bright Technologies
Hopkins, MI
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
julie@brightbeltpress.com
www.brightbeltpress.com

Central Oklahoma Winnelson
Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

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

GapVax, Inc.
Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Global Pump Company
Davison, MI
866-360-7867 • 810-653-4828 • Fax: 810-658-0632
sales@globalpump.com
www.globalpump.com

Hammelmann Corp.
Dayton, OH
800-783-4935 • 937-859-8777 • Fax: 937-859-9188
mail@hammelmann.com
www.hammelmann.com



Jack Doheny Supplies
Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

Lee Supply Company, Inc.
Charleroi, PA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
info@leesupply.com
www.leesupply.com
Ad on page 46

Mersino
Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

NozzTeq, Inc.
Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com
Ad on page 93

Ratech Electronics, Ltd.
Concord, ON Canada
800-461-9200 • 905-660-7072 • Fax: 905-660-1519
sales@ratech-electronics.com
www.ratech-electronics.com
Ad on page 46

Sewer Equipment Co. of America
Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

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

Vermeer
Pella, IA
888-837-6337 • 641-628-3141 • Fax: 641-621-7773
salesinfo@vermeerfirmg.com
www.vermeer.com

Repair/ Rebuilding Equipment

Ashbrook Simon-Hartley
Houston, TX
800-362-9041 • 281-449-0322 • Fax: 281-449-1324
carl.boyd@as-h.com
www.as-h.com
Ad on page 111

Avanti International
Webster, TX
800-877-2570 • 281-486-5600 • Fax: 281-486-7300
sales@avantigrout.com
www.avantigrout.com
Ad on page 18

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

ENECON Corporation
Medford, NY
888-436-3266 • 516-349-0022 • Fax: 516-349-5522
info@enecon.com
www.enecon.com

ICS - PowerGrit
Portland, OR
800-797-4748 • Fax: 503-653-4393
info@powergrit.com
www.powergrit.com

Jack Doheny Supplies
Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

Municipal Services, Inc.
Shrewsbury, MA
508-842-8901 • Fax: 508-842-9648
rapocushion@yahoo.com
www.rap-a-bitz
Ad on page 97

NozzTeq, Inc.
Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com
Ad on page 93

Pat's Pump & Blower, LLC
Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36



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

US Jetting, LLC
Alpharetta, GA
800-538-8464 • 770-740-9917 • Fax: 770-740-0297
sales@usjetting.com
www.usjetting.com
Ad on page 112

CATEGORY LISTINGS

Vacuum Sales, Inc.

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

Rodding Machines

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18

Clean Water Works Inc.

Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdrule@cwscanada.com
www.cwscanada.com

General Pipe Cleaners/ General Wire Spring

McKees Rocks, PA
800-245-6200 • 412-771-6300 • Fax: 412-771-2771
Info@drainbrain.com
www.drainbrain.com
Ad on page 31

Jameson, LLC

Clover, SC
803-222-6400 • Fax: 803-222-8475
dmoses@jamesoncorp.com
www.jamesonllc.com
Ad on page 95

Jetter Depot

Cumming, GA
678-431-8136 • Fax: 678-807-2944
sales@jetterdepot.com
www.jetterdepot.com
Ad on page 112

RIDGID

Elyria, OH
800-769-7743 • 440-323-5581 • Fax: 440-329-4862
ridgidinfo@emerson.com
www.RIDGID.com
Ad on page 114

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
sewerequipment@cfrr.com
www.sewerequipmentco.com
Ad on page 113

Southland Tool Mfg. Inc.

Anahelm, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51

Roll-Off Containers

I.D.S. Enterprises, Inc.

Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
idsenterprises@msn.com
www.idsfilterboxes.com
Ad on page 111

Root Control - Chemical

Central Oklahoma Winnelson

Oklahoma City, OK
888-947-8761 • 405-947-8761 • Fax: 405-947-1934
krjones@winnelson.com
www.centralwinnelson.com
Ad on page 18



Duke's Root Control, Inc.

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

Municipal Sales, Inc.

Queensbury, NY
518-747-2044 • Fax: 518-747-5490
mark.reynolds@municipalsales.net
www.municipalsales.net
Ad on page 107

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36



RootX

Salem, OR
800-844-4974 • Fax: 503-485-5229
rootx@rootx.com
www.rootx.com
Ad on page 35



Vaporooter

Liberty, MO
800-223-3684 • 816-781-4250 • Fax: 816-781-1043
customer.service@vaporooter.com
www.vaporooter.com
Ad on page 25



Locate Sewer Laterals



Defectable Rodders

Buried utility pipe can be traced and marked from above ground by one man. Locate ductile iron, plastic, tile, concrete or PVC pipe and sewer laterals



Locate Live Water Lines

Water Tracer Unit

Locate live non-metallic water lines from customer's meter to the main water line or to the home.



Request Our Underground Cable Installation and Locating Catalog
Sonde • Transmitter • Receiver • Non-Conductive Conduit Rodders



800.346.1956
WWW.JAMESONLLC.COM

INDEPENDENT SALES REPS:

ARE YOU LOOKING TO BE PART
OF THE INDUSTRY'S #1 CIPP
MANUFACTURER & SUPPLIER?

ESTABLISHED INDUSTRY REPS WANTED
IN EVERY STATE!

AREAS WILL GO FAST - CALL NOW!

1-866-336-2568 / Rob Larsen
or email
rob@perma-liner.com



Visit www.perma-liner.com
Call 1-866-336-2568



Root Control - Mechanical

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jp@advancedworld.com
www.advancedworld.com
Ad on page 110

Chempure Products Corp.

Bolivar, OH
800-288-7873 • 330-874-4300 • Fax: 330-874-4448
chempure@gmail.com
www.chempure.com
Ad on page 42



Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

Logiball, Inc.

Jackman, ME
800-246-5988 • Fax: 418-653-5746
info@logiball.com
www.logiball.com

Municipal Sales, Inc.

Queensbury, NY
518-747-2044 • Fax: 518-747-5490
mark.reynolds@municipalsales.net
www.municipalsales.net
Ad on page 107



NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
info@nozzteq.com
www.nozzteq.com
Ad on page 93

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Quik Lining Systems, Inc.

Estelline, SD
714-296-5262 • Fax: 866-784-4858
jheisler@quiklining.com
www.quiklining.com

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Sewer Equipment Co. of Florida, Inc.

New Smyrna Beach, FL
800-635-2323 • 386-428-3303 • Fax: 386-427-4552
csewerequipment@cflr.com
www.sewerequipmentco.com
Ad on page 113

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51



USB - SEC

USB - Sewer Equipment Corporation

Marietta, GA
866-408-2814 • 770-984-8880 • Fax: 770-984-2802
info@usbsec.com
www.USBSEC.com
Ad on page 87



VAPOROOTER®



Vaporooter

Liberty, MO
800-223-3684 • 816-781-4250 • Fax: 816-781-1043
customer.service@vaporooter.com
www.vaporooter.com
Ad on page 25

Rotary Tank Cleaning Equipment

Gamajet Cleaning Systems, Inc.

Exton, PA
877-426-2538 • 610-408-9940 • Fax: 610-408-9945
sales@gamajet.com
www.gamajet.com
Ad on page 83

Hammelmann Corp.

Dayton, OH
800-783-4935 • 937-859-8777 • Fax: 937-859-9188
mail@hammelmann.com
www.hammelmann.com

Safety Equipment

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tteequip@yahoo.com
www.3tequipco.com
Ad on page 53

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
info@epasales.com
www.epasales.com
Ad on page 79

HEMCO Corporation

Independence, MO
800-779-4362 • 816-796-2900 • Fax: 816-796-3333
info@hemco.com
www.hemco.com
Ad on page 110

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • Fax: 727-327-4118
irsl@irsl.net
www.irsl.net
Ad on page 9

Mil-Ram Technology, Inc.

Fremont, CA
888-464-5726 • 510-656-2001 • Fax: 510-656-2004
sls@mil-ram.com
www.mil-ram.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mttechcompany.com
Ad on page 110

MATT-LOCKS-USA

Cincinnati, OH
855-855-0059 • 513-240-5018
mattlocks.usa@gmail.com
www.mattlocksusa.com
Ad on page 113

Sierra Instruments, Inc.

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

Southland Tool Mfg. Inc.

Anaheim, CA
714-632-8198 • Fax: 714-632-8228
sales@southlandtool.com
www.southlandtool.com
Ad on page 51

SubSurface Instruments, Inc.

De Pere, WI
855-422-6346 • 920-347-1788 • Fax: 920-347-1791
scott.rauen@ssilocators.com
www.ssilocators.com
Ad on page 110

USABlueBook

Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

Uticom Systems, Inc.

Coatesville, PA
610-857-2655 • Fax: 610-857-2986
ben@uticom.net
www.uticom.net
Ad on page 112

SCADA Systems

Multitrode, Inc.

Boca Raton, FL
561-994-8090 • Fax: 561-994-6282
ussales@multitrode.com
www.multitrode.com
Ad on page 112



Detroit Lakes, MN
888-342-5753 • 218-847-1317 • Fax: 218-847-4617
sje@sjerhombus.com
www.sjerhombus.com

Security Equipment/ Systems

Forbest Products Co.

South San Francisco, CA
650-757-4786 • Fax: 650-989-1257
forbestusa@gmail.com
www.forbestusa.net
Ad on page 58

McGard

Orchard Park, NY
888-888-9192 • 716-662-8980 • Fax: 716-662-8985
rglass@mcgard.com
www.manholelocks.com
Ad on page 71

Service Company

Ashbrook Simon-Hartley

Houston, TX
800-362-9041 • 281-449-0322 • Fax: 281-449-1324
carl.boyd@as-h.com
www.as-h.com
Ad on page 111

Clean Water Works Inc.

Ottawa, ON Canada
866-695-0155 • 613-745-2444 • Fax: 613-745-9994
jdrule@cwcanada.com
www.cwcanada.com

Echologics

Mississauga, ON Canada
866-324-6564 • Fax: 905-612-0201
sales@echologics.com
www.echologics.com
Ad on page 112

Jack Doheny Supplies

Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

KSBI, Inc.

Henrico, VA
804-222-1818 • Fax: 804-222-6961
sales@ksbusa.com
www.ksbusa.com

Mersino

Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

Shoring Equipment

American Shoring, Inc.

Newburgh, NY
800-407-4674 • Fax: 800-361-1973
ajhull@americanshoring.com
www.americanshoring.com
Ad on page 13

Prospan Shoring

Rosemont, IL
888-413-8100 • 630-860-1930 • Fax: 847-698-3549
prospanshoring@gmail.com
www.prospanshoring.com
Ad on page 16

Safety Corporation of America

Pittsburgh, PA
800-746-7464 • 412-331-8118 • Fax: 412-331-8778
scapaytas@aol.com
www.shoring.com
Ad on page 85

Signs/Labels/Tags

Uticom Systems, Inc.

Coatesville, PA
610-857-2655 • Fax: 610-857-2986
ben@uticom.net
www.uticom.net
Ad on page 112

CATEGORY LISTINGS

Sludge - Treatment

Ashbrook Simon-Hartley

Houston, TX
800-362-9041 • 281-449-0322 • Fax: 281-449-1324
carl.boyd@as-h.com
www.as-h.com
Ad on page 111



BDP Industries, Inc.

Greenwich, NY
518-527-5417 • Fax: 518-695-5417
kelly@bdpindustries.com
www.bdpindustries.com

Bright Technologies

Hopkins, MI
800-253-0532 • 269-793-7183 • Fax: 269-793-4022
julie@brightbeltpress.com
www.brightbeltpress.com

Chempace Corporation

Toledo, OH
800-423-5350 • 419-535-0101 • Fax: 419-535-0531
vhorvath@chempace.com
www.chempace.com
Ad on page 85

Fluid Technology, Inc.

Oxford, OH
888-844-7824 • 513-241-1600 • Fax: 513-756-1995
info@fluidtechinc.net
www.fluidtechinc.net
Ad on page 111

I.D.S. Enterprises, Inc.

Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
idsenterprises@msn.com
www.idsfilterboxes.com
Ad on page 111

Komline-Sanderson

Peapack, NJ
800-225-5457 • 908-234-1000 • Fax: 908-234-9487
info@komline.com
www.komline.com
Ad on page 15

Smith & Loveless, Inc.

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

Software - Pre-treatment/ FOG

Linko Data Systems

Wheat Ridge, CO
877-546-5699 • Fax: 303-275-9949
info@linkodataseystems.com
www.linkodataseystems.com
Ad on page 41

Sonar Profiling



Orlando, FL
800-327-7791 • 407-849-0190 • Fax: 407-425-1569
salesinfo@cuesinc.com
www.cuesinc.com
Ad on page 16

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110



RS Technical Services, Inc.

Petaluma, CA
800-767-1974 • 707-778-1974 • Fax: 707-778-1981
sales.info@rstechserv.com
www.rstechserv.com
Ad on page 42

Storage Tanks

Eldred Environmental

Milan, IL
800-613-3640 • 309-787-3640 • Fax: 309-787-3635
info@fol-da-tank.com
www.eldredenvironmental.com

USABlueBook

Gurnee, IL
800-548-1234 • Fax: 847-689-3030
customerservice@usabluebook.com
www.usabluebook.com

Stormwater Collection

Advanced Aquatic Products International, Inc.

Miami, FL
800-738-7647 • 305-388-7195 • Fax: 305-388-7196
advaquaticprods@aol.com
www.hydro-cartridge.com
Ad on page 89

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

RAP-O

Manhole Cover Gasket

- ★ RAP-O Will Silence your noisy Manhole Covers
- ★ RAP-O Will Reduce wear in Manhole Covers & Seats
- ★ RAP-O Will Reduce infiltration from ground water



- Individually Packaged
(enough for one manhole)
- No Waste
- No Cutting



Municipal Services, Inc.
420 Boston Turnpike, Shrewsbury, MA 01545
Tel. (508) 842-8901
Fax (508) 842-9648

rapocushion@yahoo.com

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

Compliments of King County Environmental Lab

Compliments of Best Equipment & Muncie Sanitary District

- 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

32
© 2009



Cobra Technologies

Smyrna, GA
800-443-3761 • 770-435-8991 • Fax: 770-435-0402
sales@cobratec.com
www.cobratec.com
Ad on page 54

Enz USA, Inc.

Aurora, IL
877-369-8721 • 630-692-7880 • Fax: 630-692-7885
sales@enzusainc.com
www.enzusainc.com
Ad on page 36

Epoxytec International, Inc.

Hollywood, FL
877-463-7699 • 954-961-4656 • Fax: 954-961-2395
msw@epoxytec.com
www.epoxytec.com
Ad on page 63

Fresh Creek Technologies, Inc.

Cedar Grove, NJ
800-741-9486 • 973-237-9099 • Fax: 973-237-0744
fresh@freshcreek.com
www.freshcreek.com
Ad on page 113

Hi-Vac Corporation

Marietta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

KEG Technologies, Inc.

Spartanburg, SC
866-595-0515 • 864-804-6637 • Fax: 866-595-0517
office@kegtechnologies.net
www.kegtechnologies.net

Municipal Services, Inc.

Shrewsbury, MA
508-842-8901 • Fax: 508-842-9648
rapocushon@yahoo.com
www.rap-o.biz
Ad on page 97

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net



Superior Signal Company LLC

Spotswood, NJ
800-945-8378 • 732-251-0800 • Fax: 732-251-9442
Info@superiorsignal.com
www.superiorsignal.com
Ad on page 111

**Stormwater
Pretreatment**

**Advanced Aquatic Products
International, Inc.**

Miami, FL
800-738-7647 • 305-388-7195 • Fax: 305-388-7196
advaquatprods@aol.com
www.hydro-cartridge.com
Ad on page 89

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

Best Management Products, Inc.

Lyme, CT 06371
800-504-8008 • Fax: 877-434-3197
tjm@bmpinc.com
www.bmpinc.com
Ad on page 111

BESTechnologies, Inc.

Sarasota, FL
866-907-2378 • 941-907-7788 • Fax: 941-907-7302
Info@bestechcorp.com
www.bestechcorp.com

Fresh Creek Technologies, Inc.

Cedar Grove, NJ
800-741-9486 • 973-237-9099 • Fax: 973-237-0744
fresh@freshcreek.com
www.freshcreek.com
Ad on page 113

Linko Data Systems

Wheat Ridge, CO
877-546-5699 • Fax: 303-275-9949
Info@linkodatasystems.com
www.linkodatasystems.com
Ad on page 41

**Sweepers -
Street**

Advanced World

Torrance, CA
800-992-0222 • 310-534-4000 • Fax: 310-534-4020
jlp@advancedworld.com
www.advancedworld.com
Ad on page 110

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36



Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjsimmellink@gradall.com
www.vacallindustries.com

**Tank Parts &
Components**

**Environmental Products &
Accessories, LLC**

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Gamajet Cleaning Systems, Inc.

Exton, PA
877-426-2538 • 610-408-9940 • Fax: 610-408-9945
sales@gamajet.com
www.gamajet.com
Ad on page 83

I.D.S. Enterprises, Inc.

Lakeland, FL
800-575-6620 • 863-984-8994 • Fax: 863-984-8972
ldsenterprises@msn.com
www.ldsfilterboxes.com
Ad on page 111

Trenching (One Pass)

Mersino

Metamora, MI
866-637-7466 • 810-678-8085 • Fax: 810-678-8518
contact@mersino.com
www.mersino.com

**Trenchless
Pipe Replacement**

Agru America, Inc.

Georgetown, SC
800-373-2478 • Fax: 843-527-2738
as@agruamerica.com
www.agruamerica.com
Ad on page 9

AP/M PERMAFORM

Johnston, IA
800-662-6465 • 515-276-9610 • Fax: 515-276-1274
Info@permaform.net
www.permaform.net
Ad on page 67

Footage Tools, Inc.

Vaughan, ON Canada
888-737-3668 • Fax: 905-695-8874
df@footage.ca
www.footagetools.com
Ad on page 111

Formadrain, Inc.

Sunny Isles Beach, FL
888-337-6764
Info@formadrain.com
www.formadrain.com
Ad on page 75



HammerHead Trenchless Equipment

Oconomowoc, WI
800-331-6653 • 262-567-8833 • Fax: 262-567-5068
Info@hammerheadmole.com
www.hammerheadtrenchless.com
Ad on page 17

HOBAS Pipe USA

Houston, TX
800-856-7473 • 281-821-2200 • Fax: 281-821-7715
www.hobaspipe.com
Ad on page 43

McElroy Manufacturing, Inc.

Tulsa, OK
918-836-8611
fusionsales@mcelroy.com
www.mcelroy.com/fusion
Ad on page 110



Perma-Liner Industries, Inc.

Clearwater, FL
866-336-2568 • 727-507-9749 • Fax: 727-507-9849
Info@perma-liner.com
www.perma-liner.com
Ads on pages 5, 45 and 95

Quik Lining Systems, Inc.

Estelline, SD
714-296-5262 • Fax: 866-784-4858
jhsleser@quiklining.com
www.quiklining.com

Reline America, Inc.

Saltville, VA
866-998-0808 • 276-496-4000 • Fax: 276-496-4870
dverderame@relineamerica.com
www.relineamerica.com
Ad on page 33

TRIC Tools, Inc.

Alameda, CA
888-883-8742 • 510-629-4167 • Fax: 510-217-9493
Info@trictools.com
www.trictools.com
Ad on page 110

**Trenchless Point/
Spot Repair**

Infrastructure Repair Systems, Inc.

St. Petersburg, FL
877-327-4216 • Fax: 727-327-4118
Irs@irsl.net
www.irsl.net
Ad on page 9

Truck Dealers

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110

RapidView IBAK North America

Rochester, IN
800-656-4225 • 574-224-5426 • Fax: 574-223-7953
Info@rapidview.com
www.rapidview.com
Ad on page 50

**Truck Parts/
Accessories**

**Environmental Products &
Accessories, LLC**

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Reelcraft Industries, Inc.

Columbia City, IN
800-444-3134 • 260-248-8188 • Fax: 260-248-2605
reelcraft@reelcraft.com
www.reelcraft.com
Ad on page 110

Sto-Away Power Cranes, Inc.

Crown Point, IN
800-622-9797 • 219-942-9797 • Fax: 219-942-2503
stoaway@comcast.net
www.stoaway.com
Ad on page 97

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com

Truck Vibration



Martin Engineering

Neponset, IL
800-544-2947 • 309-852-2384 • Fax: 800-814-1553
Info@martin-eng.com
www.martin-eng.com

Underground Piercing Tools



Footage Tools, Inc.

Vaughan, ON Canada
888-737-3668 • Fax: 905-695-8874
df@footage.ca
www.footagetools.com
Ad on page 111



HammerHead Trenchless Equipment

Oconomowoc, WI
800-331-6653 • 262-567-8833 • Fax: 262-567-5068
Info@hammerheadmole.com
www.hammerheadtrenchless.com
Ad on page 17

Vermeer

Pella, IA
888-837-6337 • 641-628-3141 • Fax: 641-621-7773
salesinfo@vermeerinc.com
www.vermeer.com

Vacuum Lifting

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • Fax: 402-463-4355
gjonas@hipco-ne.com
www.hastingsirrigation.com

Vacuum Trucks/ Trailers - Hazardous

GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
Inquiry@gapvax.com
www.gapvax.com
Ad on page 115

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • Fax: 402-463-4355
gjonas@hipco-ne.com
www.hastingsirrigation.com

Hi-Vac Corporation

Marletta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Jack Doheny Supplies

Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@dohenysupplies.com
www.dohenysupplies.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mttechcompany.com
www.mtechcompany.com
Ad on page 110

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36



Super Products

TRUCK MOUNTED VACUUM EQUIPMENT

Super Products LLC

New Berlin, WI
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com

Vacuum Sales, Inc.

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

Vacuum Trucks/Trailers - Ind., Wet/Dry, Non-Haz.

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tttequip@yahoo.com
www.3tequipco.com
Ad on page 53



GapVax, Inc.

Johnstown, PA
888-442-7829 • 814-535-6766 • Fax: 814-539-3617
Inquiry@gapvax.com
www.gapvax.com
Ad on page 115



Pipeline Cleaning & Maintenance Equipment

for **JETTERS & JET VACS**



Root Cutter Assemblies

Skid Mounted
w/flat blades..... \$1125.00
w/concave blades..... \$1150.00
w/spiral blades..... \$1150.00
Donut Mounted
w/flat blades..... \$1105.00
w/concave blades..... \$1150.00
w/spiral blades..... \$1150.00
Lateral Mounted
w/flat blades..... \$1005.00
w/concave blades..... \$1065.00
**Assemblies come with one
ea. of 6, 8, 10 and 12" blades,
saw blades, hub, skids, etc.**



**Saw
Blades**
4" - 18"
Flat - Concave - Spiral
"Carbide Tipped Flat Blades"



"Diamond" Tap Cutters

6" to 18"
DCD6 6"..... \$1200.00
DCD8 8"..... \$1500.00
DCD10 10"..... \$1975.00
DCD12 12"..... \$2500.00
DCD15 15"..... \$3200.00
DCD18 18"..... Special Order



Swivel Joints

T-M® Style
90° or Straight, 6000 psi
3/4" & 1"..... \$188.00
1-1/4"..... \$199.00
1-1/2"..... \$495.00
2"..... \$715.00



Hycon® Valves

2 & 3-way Ball Valves

5000 psi	4500 psi
1/2" 2-way..... \$65.00	3/8" 3-way..... \$115.00
3/4" 2-way..... \$89.00	1/2" 3-way..... \$160.00
1" 2-way..... \$119.00	3/4" 3-way..... \$180.00
1-1/4" 2-way..... \$226.00	1" 3-way..... \$190.00
	1-1/4" 3-way..... \$440.00

Piranha - Parker - Aeroquip

Jetter Hose - 1/8" - 1-1/4"
Call for Current Price

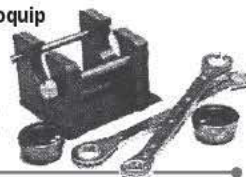


Hose Mending/Swaging Machines

Piranha™ - Parker Predator™ - Aeroquip

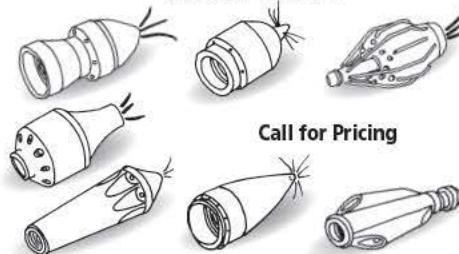
Hydraulic Jack Style or Mechanical
Price includes 2 Sets/Dies & Pusher
1/2" - 3/4" - 1" - 1-1/4"

Hydraulic..... \$1260.00
Mechanical..... \$798.00



Full Line of Nozzles

From 1/8" to 1-1/2"



Call for Pricing



Clamps

Power Clamps
8"..... \$13.00
3"-6" available
King Clamps
8"..... \$29.75
4"-6" available
Bandlock® Clamps
8"..... \$24.00
3"-6" available
Quick Clamps
8"..... \$26.50
3"-6" available

Pipe/Sewer Plugs • Hose Reels • Aluminum Intake Tubes
Kanaflex™/Rubber Debris Hose • Full Line Of Warthog Nozzles



Toll Free: **800-365-6583**
www.cloverleaftool.com

Full Catalog Online with Prices

SARASOTA, FLORIDA • PHONE: 941-739-0707 • FAX: 941-739-0001

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • Fax: 402-463-4355
gjones@hpicco-ne.com
www.hastingsirrigation.com

Hi-Vac Corporation

Marietta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Jack Doheny Supplies

Northville, MI
800-336-4369 • 248-349-0904 • Fax: 248-349-2774
sales@doheny-supplies.com
www.doheny-supplies.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 110

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

PressureWasher.net

El Cajon, CA
800-400-2532 • 619-448-8111 • Fax: 619-448-8233
Info@pressurewasher.net
www.pressurewasher.net

Sewer Equipment Co. of America

Chadwick, IL
800-323-1604 • 815-684-5566 • Fax: 815-684-5568
sales@sewerequipment.com
www.sewerequipment.com
Ad on page 47

Super Products TRUCK MOUNTED VACUUM EQUIPMENT

Super Products LLC
New Berlin, WI
800-837-9711 • 262-784-7100 • Fax: 262-784-9561
Info@superproductsllc.com
www.superproductsllc.com

Vac-Con, Inc.

Green Cove Springs, FL
888-491-5762 • 904-284-4200 • Fax: 904-529-8659
vns@vac-con.com
www.vac-con.com
Ad on page 116

VACALL™ Vacall Industries

New Philadelphia, OH
800-382-8302 • 330-339-2211 • Fax: 330-339-8468
tjsimmelnk@gradall.com
www.vacallindustries.com

Vacuum Sales, Inc.

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

Vermeer

Pella, IA
888-837-6337 • 641-628-3141 • Fax: 641-621-7773
salesinfo@vermeerfmfg.com
www.vermeer.com

Vacuum Trucks/ Trailers - Septic

Hastings Irrigation Pipe Co.

Hastings, NE
800-759-8823 • Fax: 402-463-4355
gjones@hpicco-ne.com
www.hastingsirrigation.com

Hi-Vac Corporation

Marietta, OH
800-752-2400 • 740-374-2306 • Fax: 740-374-5447
mscheub@hi-vac.com
www.hi-vac.com
Ad on page 55

Pat's Pump & Blower, LLC

Orlando, FL
800-359-7867 • 407-841-7867 • Fax: 407-648-2096
patspump@aol.com
www.patspump.com
Ad on page 36

Vacuum Sales, Inc.

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

Valve Boxes/Components

Advanced Drainage Systems, Inc.

Hilliard, OH
800-821-6710 • 614-658-0050 • Fax: 614-658-0204
Info@ads-pipe.com
www.ads-pipe.com
Ad on page 7

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 77

Lee Supply Company, Inc.

Charleroi, PA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

Mr. Manhole

Delphos, OH
419-229-3015 • Fax: 419-692-1600
sales@mrmanhole.com
www.mrmanhole.com
Ad on page 34

Valve Exercising Equipment

3T Equipment Company Inc.

Santa Rosa, CA
800-969-3001 • 707-543-8555 • Fax: 707-543-8558
tttequip@yahoo.com
www.3tequipco.com
Ad on page 53

HURCO TECHNOLOGIES, INC.

Hurco Technologies, Inc.
Harrisburg, SD
800-888-1436 • 605-743-2466 • Fax: 605-743-2465
lynn@gethurco.com
www.gethurco.com

MTech

Cleveland, OH
800-362-0240 • 440-646-0996 • Fax: 440-646-9953
sales@mtechcompany.com
www.mtechcompany.com
Ad on page 110

Valve Boss

Livinston, LA
225-686-9261 • 225-226-8668 • Fax: 225-686-9431
sales@valveboss.com
www.valveboss.com
Ad on page 39

Vermeer

Pella, IA
888-837-6337 • 641-628-3141 • Fax: 641-621-7773
salesinfo@vermeerfmfg.com
www.vermeer.com

Valve Insertion/ Removal Tools



Advanced Valve Technologies, Inc.

Advanced Valve Technologies, Inc.

Elk Grove Village, IL
877-489-4909 • 847-364-3700 • Fax: 847-364-8883
avtkey@aol.net
www.avtfittings.com



SPECIALTY MAINTENANCE PRODUCTS

Specialty Maintenance Products, Inc.

Houston, TX
713-667-4402 • Fax: 713-669-8618
mark@flangeapreaders.com
www.flangeapreaders.com
Ad on page 36

Valves



Advanced Valve Technologies, Inc.

Advanced Valve Technologies, Inc.

Elk Grove Village, IL
877-489-4909 • 847-364-3700 • Fax: 847-364-8883
avtkey@aol.net
www.avtfittings.com

Agru America, Inc.

Georgetown, SC
800-373-2478 • Fax: 843-527-2738
as@agruamerica.com
www.agruamerica.com
Ad on page 9

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

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, Inc.

Toledo, OH
419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Lee Supply Company, Inc.

Charleroi, PA
800-353-3747 • 724-483-3543 • Fax: 724-483-0577
Info@leesupply.com
www.leesupply.com
Ad on page 46

Mainline Backflow Products, Inc.

Edmonton, AB Canada
877-734-8691 • 780-413-7204 • Fax: 780-457-1210
tomc@backwatervalue.com
www.backwatervalue.com
Ad on page 42

Singer Valve Inc.

Surrey, BC Canada
888-764-8458 • 604-594-5404 • Fax: 800-663-7266
sales@singervalve.com
www.singervalve.com

Vent Pipe Filters

Simple Solutions LLC

West Milford, NJ
866-667-8465 • 973-846-7817 • Fax: 973-358-0219
sales@industrialodorcontrol.com
www.industrialodorcontrol.com
Ad on page 113

Waterblasting Equipment

Environmental Products & Accessories, LLC

Hixson, TN
866-448-5547 • 423-876-4366 • Fax: 866-206-2628
Info@epasales.com
www.epasales.com
Ad on page 79

Gamajet Cleaning Systems, Inc.

Exton, PA
877-426-2538 • 610-408-9940 • Fax: 610-408-9945
sales@gamajet.com
www.gamajet.com
Ad on page 83

Giant Industries, Inc.

Toledo, OH
419-531-4600 • Fax: 419-531-6836
sales@giantpumps.com
www.giantpumps.com

Hammelmann Corp.

Dayton, OH
800-783-4935 • 937-859-8777 • Fax: 937-859-9188
mail@hammelmann.com
www.hammelmann.com

NozzTeq, Inc.

Dunedin, FL
866-620-5915 • 603-413-6583 • Fax: 603-413-6744
Info@nozzteq.com
www.nozzteq.com
Ad on page 93

Welders

Vanair Manufacturing, Inc.

Michigan City, IN
800-526-8817 • 219-879-5100 • Fax: 219-879-5800
elizabeth.sanchez@vanair.com
www.vanair.com
Ad on page 69



A circular logo with a red border and a yellow inner ring. Inside the ring is a blue globe showing the Americas. The text "PUMPER & CLEANER" is written in white on the top half of the red border, and "INTERNATIONAL" is written on the bottom half. Below the globe, the words "ENVIRONMENTAL EXPO" are written in white on a green banner with a yellow border.



Indianapolis,
Indiana

February 25-28, 2013

Indianapolis Convention Center

WWW.PUMPERSHOW.COM



UPCOMING TRAINING & EVENTS

Inspector Training & Certification:

September 7-8, 2012 - Arlington, TX

TAREI, RETS & SoS

Contact: Andrea Barnard at andrea@tarei.com

September 20-21, 2012 - Ruidoso, NM

N-MOWA - NAWT, Contact: Jace Ensor

at 575-937-8304 or nmowa.president@gmail.com

November 15-16, 2012 - Lakewood, CO

CHURCH Onsite Wastewater Consultants, Contact:

Kim Seipp (303) 622-4126 or highplains@tds.net

Installer Workshops

October 15, 2012 - Dover, DE

DOWRA Conference Contact Hollis Warren at

(302) 284-9070 or Htwarren430@aol.com

October 25-26, 2012 - Lakewood, CO

CHURCH Onsite Wastewater Consultants

Contact: Kim Seipp (303) 622-4126 or

highplains@tds.net

Operation & Maintenance

Training Certification:

September 12-13, 2012 - Mill Valley, California

O&M, Level 1 - Instructors: Mike Treinen or

Kit Rosefield - Go to www.COWA.org

November, 2012 - (TBA) California

Operation & Maintenance, Level 2

Instructors: Nick Weigel or Kit Rosefield

Go to www.COWA.org

CEU's for NAWT Recertification

October, 2012 - Northern (TBA), CA

COWA & NAWT Science of Soils

Go to www.COWA.org.

October 8-9, 2012 - Tucson, AZ

Univ. of AZ Soil & Site Evaluation

for Onsite Wastewater Systems

NAWT Vacuum Truck Technician

September 17 & 18, 2012 - Albuquerque, NM

POWRANM - NAWT, Contact: Bill McKinstry at

(505) 989-7676 or admin@powranm.org

September 19, 2012 - Ruidoso, NM

N-MOWA - NAWT, Contact: Jace Ensor at

575-937-8304 or nmowa.president@gmail.com

January 7-8, 2013 - East Lansing, MI

MI & NAWT - Contact Mark Scott at (989) 275-5011

or mscott@i2k.com

WATCH THE NAWT WEBSITE AND
INDUSTRY MAGAZINES FOR UPDATES

FOR MORE INFORMATION CALL
800-236-6298

WWW.NAWT.ORG YOUR SOURCE FOR REAL LEARNING



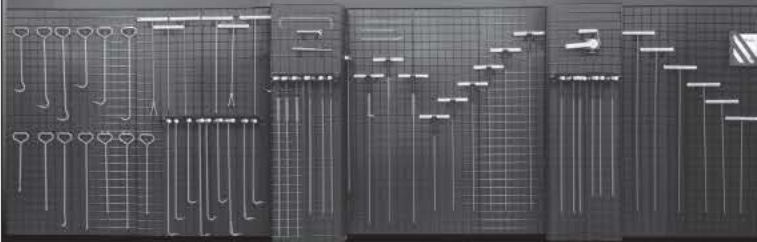
T&T Tools, Inc.

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@tandttools.com

Fax: 800.521.3260



One Complete Package



mswmag.com

onsiteinstaller.com

pumper.com

cleaner.com

promonthly.com

gomcmag.com

tpomag.com

wsomag.com

pumpershow.com

pumpertrader.com

septicyellowpages.com

sewerpages.com

COLE Publishing

1.800.257.7222

715.546.3346



Scan the code with your smartphone

If You Purchased Municipal Derivative Transactions from January 1, 1992 to August 18, 2011

You Could Get a Payment for a Class Action Settlement.

A proposed Settlement has been reached with JPMorgan Chase & Co., J.P. Morgan Securities, Inc. (n/k/a J.P. Morgan Securities LLC) and Bear Stearns & Co. (n/k/a J.P. Morgan Securities LLC) (collectively, “JPMorgan”), defendants in a class action lawsuit that alleges price-fixing in the sale of municipal derivatives transactions by JPMorgan and other companies. The case, *In re Municipal Derivatives Antitrust Litigation*, MDL No. 1950, No. 08-02516, is pending in the United States District Court for the Southern District of New York.

Who Is Included in the Settlement?

This Settlement includes all state, local and municipal government entities, independent government agencies, quasi-government, non-profit and private entities that purchased:

- (1) Municipal derivative transactions through negotiation, competitive bidding or auction, from any Alleged Provider Defendant or Co-Conspirator or brokered by any Alleged Broker Defendant or Co-Conspirator;
- (2) Any time from January 1, 1992 through August 18, 2011 in the United States and its territories or for delivery in the United States and its territories.

The Defendants and Co-Conspirators are listed in the detailed notice available on the Settlement website.

What Does the Settlement Provide?

JPMorgan agreed to a settlement amount of \$44.575 million to be paid as follows: \$24 million has already been paid into an escrow account and up to \$20.575 million will be paid later. This Settlement is only a partial settlement of the lawsuit because it only affects the claims against JPMorgan. The lawsuit is continuing against other Defendants. Morgan Stanley and Wells Fargo have already settled. JPMorgan will provide reasonable cooperation, including discovery cooperation, to Class Plaintiffs’ Counsel in the litigation that will continue against the other Defendants.

What Do I Do Now?

- **Remain in the Settlement.** To remain in the Settlement Class and participate in the Settlement, you do not have to do anything now. If the Court approves the Settlement, you give up the right to sue JPMorgan for the claims and issues in this case. The Settlement Agreement, specifically Paragraph 1(ee), which is available at www.MunicipalDerivativesSettlement.com, describes in more detail the

legal claims that you give up if you stay in the Class. Claim forms are not available now. Register on the Settlement website to receive a claim form when it becomes available. If you remain in the Settlement Class, you still have the right to exclude yourself from any other settlements with other defendants reached in this lawsuit.

- **Exclude yourself from the Settlement.** If you do not want to remain in the Settlement Class, you must exclude yourself. You must send a written request for exclusion by first-class mail, **postmarked no later than October 19, 2012** to the Settlement Administrator. The detailed notice available on the Settlement website describes the information you are required to include in your request for exclusion. If you exclude yourself, you cannot participate in the Settlement, but you retain your right to sue JPMorgan on your own for the claims in this lawsuit.
- **Object or Comment on the Settlement.** If you remain in the Settlement Class and want to object to or comment on the JPMorgan Settlement or any part of it, you must file an objection with the Court and deliver a copy to Class Counsel and JPMorgan **no later than October 9, 2012**.

When Will the Court Decide Whether to Approve the Settlement?

The Court has scheduled a hearing on December 14, 2012, at 2:00 p.m. at the United States District Court for the Southern District of New York, United States Courthouse, 500 Pearl Street, New York, NY 10007, to consider whether to finally approve the JPMorgan Settlement as fair, reasonable and adequate, whether to approve Class Counsel’s request for reimbursement of litigation expenses, and to consider any objections.

The Court has appointed the law firms of Hausfeld LLP; Boies, Schiller & Flexner LLP; and Susman Godfrey L.L.P. to serve as Class Counsel and represent all Class Members. If you want to be represented by your own lawyer, you may hire one at your own expense. You or your lawyer may ask to appear and speak at the hearing but are not required to. If you want to be heard by the Court, you must file a written notice of your intention to appear with the Court and deliver a copy to the Class Counsel and JPMorgan **no later than October 9, 2012**. The Court may change the time and date of the hearing. Any change will be posted on the Settlement website.

Get More Information

For more information on this lawsuit, your rights, or to obtain a list of defendants, call or visit the Settlement website listed below or write to Municipal Derivatives Settlement, c/o Rust Consulting, Inc., PO Box 2500, Faribault, MN 55021-9500.

For more information: 1-877-310-0512 www.MunicipalDerivativesSettlement.com

SOLD

Sell your equipment in *Municipal Sewer & Water* classifieds

Reach over 36,000 potential buyers each month when you list your equipment in the classified section. Plus, your listing is placed automatically online at the *Municipal Sewer & Water* website. That’s two ways to move your equipment out of the parking lot!

Why wait?

Go to
mswmag.com/classifieds/place_ad



Scan the code with your smartphone.

Baldwin Filters plant receives safety award

Baldwin Filters' Gothenburg plant received the Safety Spirit Award for 2011 from the Nebraska Safety Council. The award is based on training activities, safety committee activities, sustainability and current year statistics. Baldwin Filters, a CLARCOR company, produces 6,000 lube, air, fuel, hydraulic, coolant and transmission filtration products.



Aqua-Chem names CFO, applications engineer

Aqua-Chem named Thomas Gillcrist chief financial officer and Ron Shook pharmaceutical applications engineer.

InduSoft offers online training series

InduSoft is offering an online training series for its InduSoft Web Studio 7.1 HMI/SCADA software. Two training modules offer instruction on subjects ranging from alarms to trends. The first module provides instruction on installation, tags, drivers and screen groups. The second module covers instruction for active objects, animations, trends and alarms. The videos can be streamed or downloaded with iPads and Android tablets that have Flash or MP4 support from www.indusoft.com.

Cobalt-free AOC resin receives NSF certification

Vipel F010-H2O-00 vinyl ester from AOC earned certification for NSF/ANSI 61: Drinking Water System Components-Health Effects from NSF International. The resin is used as a coating in tanks that hold 4,000 gallons or more and piping at least 6 inches in diameter.

Guardair acquires Allen Gasket

Guardair, manufacturer of tools and accessories for the industrial maintenance, repair and operations market, acquired Allen Gasket Cutting Machine Co. of New Bedford, Mass. Allen will be absorbed into the Allpax Gasket Cutter Systems Division of Guardair's Chicopee, Mass., headquarters.

ABB offers product brochure

The *Flow Measurement Solutions* publication from ABB Measurement Products can be downloaded at <http://goo.gl/A3kqC>. The brochure features a range of flow measurement products and discussion on a common HMI (human machine interface) platform that enables users to configure, integrate and maintain ABB flow products.

Aqua Blast marks 50th anniversary

Aqua Blast celebrates its 50th anniversary this year. The maker of pressure washing machines was founded by Paul Gerber in February 1962. Located in Bluffton, Ind., Gerber sold the company to Phil Kaehr in 1984. Former employees Bob Heyerly and David Tumbleson acquired the company in 1985 and later moved it to Decatur, Ind. The business expanded into international sales, with Heyerly, upon his retirement, selling his portion of the company to Tumbleson in 2008.

Lechler publishes spray product catalog

The Lechler Catalog 500 features spray products and accessories as well as information on spray system design, material options, conversion tables, product differentiation and a new section on lances and nozzle headers. The catalog can be downloaded at www.lechlerusa.com.

RS Lining Systems receives NSF-61 certification

RS BlueLine cured-in-place pipe (CIPP) system for pressure pipe rehabilitation received certification to NSF/ANSI 61: Drinking Water System Components-Health Effects by NSF International. RS BlueLine is installed by Inland Pipe Rehabilitation (IPR) and approved for the renewal of all municipal pressure pipe systems, including drinking water mains, transmission lines and force mains.

Dewberry promotes Kalaf to associate VP

Steve Kalaf, based in Dewberry's Fairfax, Va., office was promoted to associate vice president, water resources consulting. He has 30 years of experience, including quality management, flood hazard/risk analysis and mapping. He is considered a national expert in the Coastal Barrier Resources System.



RapidView team completes triathlon

RapidView team members completed the June Manitou Monster Triathlon in Rochester, Ind. The event included a 400-meter swim, 13-mile bike ride and 5K run. Twelve employees and family members participated as part of the company's ongoing program to encourage fitness and exercise.

Vacuworx names Leslie Equipment Dealer of the Year

Vacuworx named Leslie Equipment Co. Dealer of the Year at the company's annual sales meeting. Leslie Equipment is a family-owned equipment sales and rental business serving West Virginia, Kentucky and Ohio. ♦

TREATMENT PLANT OPERATOR

Dedicated to Municipal Wastewater Professionals
FREE subscription at:
www.tpomag.com



Every day is Earth Day.™

“We must be one of the earliest plants to employ full-scale UV. We’re proud of the fact that we are not adding chemicals to our discharge. We maximize the biological activity — let the microbes do their thing. Engineers design the best plant they know how to, and contractors build it as well as they can. In the end, though, it’s the operators who make it work.”

Joni Emrick
An Original Environmentalist

WATER RESOURCE MANAGER
Kalispell (Mont.) Wastewater
Treatment Plant

Get your **FREE subscription**
and read about original
environmentalists like
Joni each month in
Treatment Plant Operator.

tpo

COLE PUBLISHING INC.
tpomag.com
800-257-7222

**Proudly Serving the
Environmental Service Industry
Since 1979**

Product Spotlight

Software allows multiple parties to view pipe inspections remotely

By Ed Wodalski

WinView 2.1 software from PURE Software Solutions



WinView 2.1 software from PURE Software Solutions enables multiple individuals to view the video stream directly from CCTV equipment via secure Internet connection.

In emergency situations, the software allows a CCTV operator to alert engineers, inspectors, project managers or other individuals of the problem and enables them to view the situation live from their desktop or other Internet connection. Individuals can discuss the problem via real-time chat, record video on their computers and provide the operator with an efficient collaborative decision on how to proceed.

Supervisors also can use the software to view job site efficiencies, review conditions inside a line and converse with operators about a project, enabling issues to be resolved and change orders and work orders to be prepared or altered in real time, eliminating travel or standby time.

"There is no need for extra contractor or municipality personnel to be on site when they can view (from a remote location) what's going on inside the pipe at the same time the operator is doing the inspection," says Bill Stenson, one of the founders of PURE Software Solutions. "This product helps reduce the impact on the environment by eliminating the need for additional personnel to drive to the job site as well as reducing the time that the CCTV equipment sits idle while waiting for people to show up. Decisions can be made quickly; they can mobilize any additional equipment that needs to be sent to the job site on the fly." Stenson says the software enables up to 10 different people to view an inspection at the same time.

"Basically, the software is purchased and downloaded from the PURE website and installed on the CCTV equipment's computer for when the need arises. Should the operator come to an emergency situation within the pipe that needs to be addressed immediately, he would connect to a mobile Internet provider and send an email notification to whomever needs to view it. The recipient simply clicks on the link."

The PC-based software works with all data acquisition software and CCTV equipment, including PipeLogix, WinCan, ITpipes, Granite, CUES, RST, IBAK, Aries, Pearpoint and more. 303/867-1414; www.puresoftware.com.

Hayward Flow Control filter bags

The expanded Filter Bag line from Hayward Flow Control includes sizes 1 (16 inches) and 2 (32 inches) with polypropylene, polyester and nylon material options. The expanded filter line includes needle felt and monofilament mesh in sewn or welded construction. Available with 1-800 micron rating with PP rings or flanges, all bag materials are silicon free. Size 1 bags have a 90 gpm flow rate and size 2 bags have a 180 gpm flow rate. 888/429-4635; www.haywardflowcontrol.com.



RIDGID folding pipe stand

The VF-99 folding pipe stand from RIDGID is designed for joining pipes up to 12 inches in diameter and up to 2,500 pounds. The 24-pound stand features folding rectangular profile legs (27 inches in diameter open, 7 inches closed) and comes with an ergonomic V-handle that adjusts from 28 to 58 inches high and a locking ring to hold the stand in place. 800/769-7743; www.ridgid.com.



Val-Matic Dual Disc check valve

The Dual Disc check valve from Val-Matic features non-slam, spring-assisted closing, pressure-sensitive vulcanized seat for tight closure at both low and high pressures and lift and pivot action to reduce seat wear. The valve is available in sizes from 2 to 60 inches for pressure up to 500 psi in Wafer (ANSI 125, ISO PN10, ISO PN16), Lug and Grooved End connections. 630/941-7600; www.valmatic.com.




KSB Sewatec volute casing pump

The Sewatec dry-installed volute casing pump from KSB is designed for wastewater transport and treatment, sludge handling and stormwater applications. Features include a flexible hydraulic design, two mechanical seals to protect against failure, even during extended use and fluctuating conditions. The pump line has a diameter of 2 to 28 inches, maximum flow rate of 15,000 gpm, heads to 320 feet and liquid temperature limit of 158 degrees F. Cleanout openings in pump volute are standard beginning with 4-inch models. 804/222-1818; www.ksbusa.com.



Jenny direct-drive cold pressure washer



Steam Jenny direct-drive cold pressure washers from Jenny Products are powered by 9 or 13 hp Honda GX Series engines and feature a triplex ceramic plunger pump. Pressures range from 3,000 to 4,000 psi with flow from 3 to 4 gpm. The washers have thermal pump protection, unloader valve and high-pressure relief valve to protect the pump. The engine automatically shuts down if low oil levels are detected. The powder-coated chassis is made from 7-gauge steel. 814/445-3400; www.steamjenny.com. ♦

See Both Sides

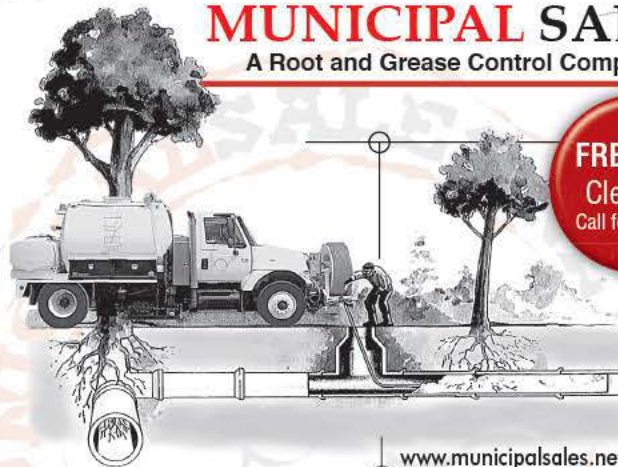
Now there's a magazine for the drinking water side of the house. *Water System Operator™ (WSO)* — with the same emphasis on the people who make it all work.



Get your subscription at wsomag.com — free to qualified professionals.

Roots? No Problem.

MUNICIPAL SALES
A Root and Grease Control Company



FREE Pipe
Cleaning
Call for Details.



Professional
Chemical Root
Control Services

www.municipalsales.net

518.747.2044

fax: 518.747.5490

mark.reynolds@municipalsales.net

Read All About It!



Get the entire year of *Municipal Sewer & Water*, or single stories, in one convenient eBook!

Look for it at these three locations:

www.cole-mart.com/msw

www.amazon.com

www.itunes.com

Municipal Sewer & Water magazine is written solely for professionals who install, inspect, maintain and rehabilitate sewer, water and stormwater infrastructures.



**THE
PHONE BOOK
IS
DEAD.**

▶ Your customers don't use the phone book...
...they use smart phones.

Join more than 41,500 service providers at
SewerPages.com



- Free Basic Listing
- Mobile Phone Friendly
- **Enhanced Listings Start at Only \$9/Month**
 - Add Your Web Site
 - Add Your Company Logo
 - Add Service Locations

GO TO WWW.SEWERPAGES.COM/CLEANER FOR FULL DETAILS.

PEOPLE/AWARDS

The City of Alpharetta received the Stormwater Program of the Year Award from the Georgia Association of Water Professionals. Alpharetta was evaluated on pollution-prevention efforts, construction-site plan review and inspection program, public outreach and education, and city-funded stormwater projects.

Alfie Vick, a University of Georgia College of Environment and Design associate professor, received the Team Water Award from the Athens-Clarke County Stormwater Division.

Great River Greening and the South Washington Watershed District received an Innovative Stormwater Management Practices Award from the City of Woodbury (Minn.) during its Environmental Excellence Awards program.

Bob and Catherine Glunz received an Innovative Stormwater Management Practices Award from the City of Woodbury (Minn.) during its Environmental Excellence Awards program.

Oklahoma City Mayor Mick Cornett and the Stormwater Quality Division received the Patriot Award from the Department of Defense for extraordinary support of employees serving in the Oklahoma National Guard and Reserve.

The National Association of Sewer Service Companies (NASSCO) awarded the Jeffrey D. Ralston Scholarship to Smith Farley Rangel Sanabria and Kenneth Ryan McLarrin.

The American Public Works Association announced that the following people earned the Certified Stormwater Manager credential:

- Kirk Christensen, Whatcom County, Bellingham, Wash.
- Thomas Horstman, Town of Cary, N.C.
- Jesse Leckband, City of Des Moines, Iowa
- Nicholas David Pezzello, City of Roswell, Ga.
- Paul Webster, Village of Royal Palm Beach, Fla.
- William Appleton, City of Federal Way, Wash.
- Shannon Dupont, City of Baton Rouge, La.
- Stephen Hitch, City of Redmond, Wash.
- Hernan Lugo, City of Alton, Texas
- Larry Morse, City of Redmond, Ore.
- Russ Paul, City of Pleasant Hill, Iowa

MSW welcomes your contribution to this listing. Please send notices of new hires, promotions, service milestones, certifications or achievements to editor@mswmag.com.



CALENDAR

Sept. 24-26

National Rural Water Association WaterPro Conference, Gaylord Opryland Hotel, Nashville, Tenn. Visit www.nrwa.org.

Oct. 18-20

American Society of Civil Engineers Annual Civil Engineering Conference, Montreal, Quebec, Canada. Visit www.asce.org.

Nov. 4-8

American Water Works Association Water Quality Technology Conference and Expo, Toronto, Canada. Visit www.awwa.org.

Nov. 12-15

American Water Resources Association Annual Water Resources Conference, Hyatt Regency Jacksonville Riverfront, Jacksonville, Fla. Visit www.awra.org.

LEARNING OPPORTUNITIES

American Society of Civil Engineers

The ASCE has these courses:

- Sept. 27-28 – Stormwater Treatment Using Detention Ponds and Commercial Devices, Chicago
- Nov. 8-9 – Pumping Systems Design for Civil Engineers, Pittsburgh
- Nov. 15-16 – Stormwater Treatment Using Detention Ponds and Commercial Devices, Charlotte, N.C.

Visit www.asce.org.

American Water Works Association

The AWWA has these courses:

- Sept. 9-12 – Distribution Systems Symposium, St. Louis
- Sept. 9-12 – Emergency Preparedness, St. Louis
- Sept. 19-21 – Financial Management: Cost of Service Rate-Making Seminar, Orlando, Fla.

Visit www.awwa.org.

The AWWA has published new editions of manuals covering computer modeling of distribution systems (M32) and butterfly valves (M49). The third edition of *Computer Modeling of Water Distribution Systems* provides guidance on creating and using accurate computer models of water distribution systems. It was written by AWWA's Engineering Modeling and Applications Committee. The second edition of *Butterfly Valves: Torque, Head Loss and Cavitation Analysis* covers recommended practices, calculations and data for correctly sizing and using butterfly valves in water systems.

Wisconsin

The Wisconsin Department of Natural Resources has these courses:

- Sept. 13 – Utility Management Training, Dodgeville
- Oct. 16 – Excavation "Competent Person" Safety, Madison
- Oct. 18 – Utility Management Training, Lake Hallie
- Nov. 6 – Personal Protective Equipment, Baraboo
- Dec. 4 – Permit-Required Confined-Space Entry, Plover

Visit www.dnr.wi.gov.

The University of Wisconsin Department of Engineering-Professional Development has these courses:

- Oct. 8-9 – Advanced Modeling Using HEC-RAS N417, Madison
- Oct. 10-12 – Unsteady Flow Modeling Using HEC-RAS N418, Madison

Visit www.epdweb.engr.wisc.edu. ♦

MSW invites your national, state or local association to post notices and news items in this column. Send contributions to editor@mswmag.com.

DRAINFIELD RESTORATION

Soil Shaker 2000. Universal skid steer attachment for drainfield restoration. Buy factory direct \$6,250. www.soilshaker.com or call 320-293-6644. (P1-12)

JETTERS-TRAILER

2010 US JET 4018, 600 gallon, less than 50 hours, speed control reel, mini kit reel, unloader valve, reel counter, HATZ Silent Pack, LIKE NEW CONDITION. \$32,000. Call 530-921-3542, cell: 599-3545, ask for Chuck. (C09)

PIPELINE REHABILITATION

Perma-Liner lateral trailer. All equipment in excellent condition. Have 4, 5 and 6 inversion heads. Call 973-993-5544 or email for pictures, sewerprnj@aol.com. Asking \$45,000. (C10)

One trade-in model of Pipe Genie heavy duty, pipe bursting equipment. Excellent condition, looks new, 30-ton, 100 feet cable, full 2-year warranty. 877-411-7473. (CBM)

SERVICE/REPAIR

Dynamic Repairs - Inspection Camera Repairs: 48 hour turn-around time. General Wire, Ratech, RIDGID, Electric Eel, 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. (CMPBM)

SEPTIC TRUCKS

Loaded 2004 Ford F-650 septic truck: Tank capacity 2,000 gallons with new pump. Asking \$53,000. Call 850-584-3520 or email louisshawplumbing@fairpoint.net, for pictures and details of the truck. (M09)



2003 Sterling L7500 Vac Truck: CAT 3125 @ 315 hp, A/T, 55k miles, spring susp., 2003 Vac-Con V390LHAD, 3 compressor fans, 10' telescopic boom, HS drive, articulating hose reel, hi-dump debris tank.....\$99,500
715-546-2680 WI MBM

SEPTIC TRUCKS



1997 Freightliner FLD120 Juggler: 5,000 gallons (3,500/1,500), Juggler system is 2004 model, Progress aluminum tank. Call for details.....\$145,000/OBO
Chris @ 321-436-0150 FL P10

TV INSPECTION

2004 Ford E450 Aries inspection camera truck. Equipment is ready to be put to work. The truck was manufactured on 5/4/04: Order #60859, system # sys 144, there is over 700' of cable on the unit. There is dual viewing station equipped with win cam software and is NASSCO certified. We have two tractors, one is a Badger TR3000 wheel camera transporter tractor, two is a TR2000, the camera head is a illuminator pan tilt camera, model #Pe-2700. The truck also comes with air compressor tools, tool box & various wheel spacers and tracks to change height and width of unit for multiple applications. \$89,000. I have a ton of pictures I can email you. Charles 203-494-6525, CT. (CP09)

TV INSPECTION

4-wheel drive sewer/pipeline TV inspection van: RST "Omni" pan, tilt, color equipment with tractor and spare parts, fully operational, city unit, 1,000' cable, capable of working with 6" to 16" pipes, newer equipment mounted in older 4x4 Chev., small ambulance with only 39,000, one-owner, always garaged miles. Let's Roll Autos & Equipment, Colorado Springs, Co., link to full description with many pictures: <http://www.truckpaper.com/listings/detail/detail.aspx?OHID=3626467&dlr=1&pcid=2000801049>. \$29,950. (CP09)

WANTED

WATERWORKS MANAGER: N.Y. construction supply company/manufacturer looking for an energetic, experienced Waterworks Manager. Job entails, estimating, customer service, phone sales, and learning new product lines. Excellent salary, benefits, 401K, profit sharing, health insurance, life/disability insurance. Excellent opportunity! Please e-mail resume to GregF@precastconcretesaes.com. Thank you for your interest! (MI-11)

WANTED: Old sewer trucks running or not. Any brand, any make. PH: 713-900-9565, email: mmachinerymexico@gmail.com. (CBM)

Wanted to Buy: Vactor 2100's and late model Guzzlers. Cash. 800-336-4369. (CPBM)

MUNICIPAL
SEWER & WATER

It's Quick and Secure!

View Latest Issue »

SUBSCRIBE NOW



NEW EQUIPMENT

CLASSIFIEDS

ARTICLES

ADVERTISING

INTERACT

SUBSCRIBE

Google Custom Search

SEARCH

SUBMIT YOUR CLASSIFIED AD NOW at www.mswmag.com

Just click on "Classifieds" - "Place a Classified Ad" - Fill in the online form!

want it all? get it here.



Rates: \$25 minimum charge (up to 20 words).
\$1.00 per each additional word.
Include a photo for an additional \$125.

Buying Back Capacity
Cover Story

Sealing the Deal
Sewer

Digital Edition
Current Issue in Ezine Format

Classifieds
Buy and Sell Used Equipment

In The Latest Issue



KEEP IT FLOWING!

Quality
Pressure
Washers
& Jetters

The most
reliable
fusion
machine
rentals in
the industry.



Emergency Shower Decontamination Booth

- Unit is equipped with pull rod activated overhead drench shower and rear wall mounted eye/facewash
- Fully Factory Plumbed to a single inlet, 1" diameter pipe
- Floor Grate increases traction and includes either a vertical or horizontal 4" drain outlet



Call: 800-779-4362
HEMCO
Visit: www.HEMCOcorp.com

Custom Marking Flags
Plain Marking Flags
Krylon Marking Paint
Underground Warning
Tapes / Flagging Tape
Rhino Marking Posts

BLACK BURN blackburnflag.com
MARKING FLAGS & MARKING PRODUCTS 800.942.5816

Rely on Reelcraft *New!*

Turn-key jetter hose reels built to your specs

Made in USA

REELCRAFT
www.reelcraft.com | 800-444-3134

AMT

A Gorman-Rupp Company

The Pump People

Please visit us at www.amtpump.com

Advanced World.com

TOLL FREE: 1.800.992.0222

Best Products Best Prices 24/7

Cherna • Pelican • Ridgid • Sreco • Vacall • Stoneage • Shamrock • Surefire

www.AdvancedWorld.com

SubSurface Instruments
www.ssilocators.com

NEED TO
LOCATE
BURIED PVC?

AML | ALL MATERIALS LOCATOR

- Designed to find buried PVC pipes
- Patented radio frequency technology
- Lightweight, durable construction
- FCC Approved

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
- 3.0 watt models available to locate at longer distances

PROUDLY MADE IN THE USA

TRIC
breaking tradition.™

FIRST
sewer lateral bursting system in the USA

FIRST
to gain approval of HDPE pipe for home laterals

BEST
no-dig solution for all residential utilities

888.883.8742
www.trictools.com

TV FERRET

Advanced Pipe Inspection Systems

- Full Pan&Tilt systems starting at \$40,000
- The only completely DC powered system
- Inspect pipes from 6" and up

more information at:
tvferret.com

518.399.2211

CONFINED SPACE ENTRY PACKAGE
ONLY \$2,995

The best package on the market includes:

- 4-Gas Air Monitor
- 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

Philmac UNIVERSAL TRANSITION COUPLINGS (UTC)

Connecting pipe sizes from 3/4" to 2"

- CTS PE & PEX
- PE IPS-OD
- PE SIDR 7-15
- Galvanized Steel
- Stainless Steel
- Steel
- Copper
- Lead
- PVC
- ABS


Rated 200psi @ 73°F and 150psi @ 100°F

HARCO Fittings
www.harcofittings.com
(800) 825-7094

We're
Everywhere
You Are.

mswmag.com

Mueller SYSTEMS



Fixed 2-way AMI,
drive by AMR and
other smart
metering solutions

704-278-2221
www.muellersystems.com

I.D.S. ENTERPRISES, INC.



THE ORIGINAL
DE-CANT TAINER™
DEWATERING
FILTER BOX

IT'S SIMPLE, WHY
SETTLE FOR THE BEST
WHEN YOU CAN OWN
THE VERY BEST!

PHONE: 863-984-8994
idsenterprises@msn.com
www.idsfilterboxes.com

**Engineers Specify
BMP SNOOT®
Hoods for Cleaner
Stormwater**



**Quality Products
Built to Last**

**Best Management
Products, Inc.**
bmpinc.com
800-504-8008

US Patents 6126817,
7857966, 7951294
Canada Patent 2285146

AFTERMARKET SERVICES



All Makes All Models
www.as-h.com • 800.362.9041

**Ashbrook
Simon-Hartley**
WATER AND WASTEWATER TREATMENT SOLUTIONS

DYE TRACERS



Solutions for:

- Infiltration
- Septic Systems
- Cross Connection
- Leaks and more...

BRIGHT DYES
Division of Kingscote Chemicals

www.brightdyes.com FREE SAMPLE 1-800-394-0678

**Out With The OLD...
In With The NEW!**

Replace **Water Services** in
Less time for Less Money!



**Factory Direct
SPECIALS
On Now!**

Split or Pull Out Copper,
Galvanized and Plastic Pipe.
THINK TRENCHLESS!

Call us toll free:
1-888-737-3668
Or visit us at:
www.footagetools.com

**Footage
TOOLS**
Tools ready for work!

Superior® SMOKE
for Sewer Testing

Fast • Inexpensive • Easy



Superior® Smoke Testing
the most cost effective method
to find sources of inflow

Choose Candles or Fluid

800-945-TEST
www.SuperiorSignal.com

Follow
MSW
on



www.facebook.com/MSWMag



twitter.com/#!/MSWMagazine

CEMTEC!

Concrete
Repair Products

**Cementitious
Manhole
Rehab
Products**

706.654.3677
www.awcookcement.com

DREDGING & DEWATERING SERVICE

- Municipal and Industrial • Digester and Lagoon Cleaning
- Double Belt Filter Presses • Liner Repair & Replacement

Fluid Technology, Inc. (513) 241-1600
Fax (513) 756-1995
www.fluidtechnologyinc.com

multitrode

WATER • WASTEWATER • PUMP STATION • TECHNOLOGY

Take Control. And Save.



MultiSmart

World's First intelligent Pump Station Manager

P: (561) 994 8090

F: (561) 994 6282

USsales@multitrode.com

www.multitrode.com



echologics
A DIVISION OF MUELLER COMPANY

Non-invasive
leak detection,
condition assessment
and
NRW management

905-612-0201
www.echologics.com

CONDUIT/ CABLE TAGS

P020003-404

New U1580 Series Tags are used to identify conduit, cable, Valves and pipes. U1580 tags are constructed from engineered plastics to be UV, chemical, temperature, water and abrasion resistant.

Ulicom's easy to identify conduit and cable tags have a 15-20 year life without ever fading. Tags available in custom sizes & colors.



109 Independence Way
Coatesville, PA 19320
(610) 857-2655
www.uticom.net



NOZZLE SALE

www.jetterdepot.com
Call **678 549 2621**

Have you seen the
MUNICIPAL
**SEWER
&
WATER**
E-Zine?



mswmag.com

BUYING SOMETHING?
SELLING SOMETHING?
LOOKING FOR SOMETHING?

We have **some things** and more

in the **CLASSIFIEDS.**

Check it out in each issue of *Municipal Sewer & Water* magazine or go to www.mswmag.com/classifieds





\$2,999

Confined Space Entry System

- 7' Tripod
- 3-Way Fall Winch
- Work Winch
- Full Body Harness
- MSA Altair 4 Gas Monitor

Call for Catalog & Prices

cloverleaf TOOL CO. 800.365.6583

www.cloverleaftool.com

1-800-538-8464

Nozzles, Hoses & Parts for ALL Jetting Units.

www.usjetting.com



TMDL Solutions, Service and Sustainability.

SiteSaver® "Treatment Train" combines a complete system: Netting TrashTrap® and Floatables capture; Oil/grease removal; Inclined Cell Sedimentation; Filtration for TSS, Nutrients and heavy metal reduction plus pathogenic disinfection. And, the TELNET® Alert System telemetry keeps you in touch. Fresh N Up™ O&M Services are also available for all customers.

One company + One Treatment Train = 6 TMDL Solutions

Visit our website at: **www.freshcreek.com**

1384 Pompton Ave. - Suite 2
 Cedar Grove, NJ 07009
 Phone: 973.237.9099
 Fax: 973.237.0744

Copyright 20012, Fresh Creek Technologies, inc.

Storm Grate Locks



MATT LOCKS-USA
 STORM GRATE LOCKS

855.855.0059 • **mattlocksusa.com**

dR DYNAMIC REPAIRS

We Repair:

General Wire, Ratch, RIDGID, Aries, Insight Vision, Electric Eel, GatorCams, Plumbers Depot, UEMSI, Vision Intruders, Vivax, Inspection Cameras, Locators, Command Modules and Cables

Rental Equipment Available Daily & Weekly Rates

48-Hr. Turn Around Time

INSPECTION CAMERAS ARE OUR ONLY BUSINESS!

973-478-0893

DYNAMIC REPAIRS
 40 Arnot St., Unit 20
 Lodi, NJ 07644
www.dynamicrepairs.net



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

safe-tee chemical
 safetechemical.com

GREEN SEAL CERTIFIED

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.

THE "ORIGINAL" LIQUID SMOKE



Turbo Fog M45:

- Versatile
- Light Weight
- Compact
- Creates Dense Smoke

TURBO-FOG
 Since 1977

www.turbo-fog.com • 1-800-394-0678

MUNICIPAL SEWER & WATER

Complete Edition 2011

NEW!

Get it ALL in one convenient eBook!

www.cole-mart.com/msw

Municipal Sewer & Water magazine is written solely for professionals who install, inspect, maintain and rehabilitate sewer, water and stormwater infrastructures.



"Your One-Stop Stopper Shop!"

FOR 31 YEARS - HOME OF THE ORIGINAL **PIPE PLUG & NB BAG/ PILLOW DESIGN STOPPER**

[SINGLE SIZE OR MULTI SIZE PIPE STOPPERS 4" & UP]

- SINGLE & MULTI SIZE PASS THRU PLUGS
- MULTI SIZE PLUGS & MULTI SIZE LEAK LOCATORS
- SINGLE & MULTI SIZE TEST PLUGS

• COMPLETE LINE OF SEWER & DRAINAGE TOOLS AVAILABLE

disc plugs | high pressure plugs | large inflatable pipe plugs | pipeline testing & acceptance plugs | pneumatic by-pass plugs

SEWER EQUIPMENT CO. OF FLORIDA, INC.

NEW SMYRNA BEACH, FL
 IN FL 800.225.2952 | OUT OF FL 800.635.2323
 IN CANADA 800.328.3318

www.SewerEquipmentCo.com

A Broad and Economical Range of Odor Control Solutions



- Manhole Odor Inserts
- Pollution Control Barrels
- Activated Carbon Vapor Phase Adsorbers
- Septic Vent Filters
- Custom Solutions

IndustrialOdorControl.com

866-NO-STINK (667-8465)
 973-846-7817

Simple Solutions DISTRIBUTING LLC



b b c babbitt bearing co, inc.

1170 N. FIFTH STREET
 SAN JOSE, CA 95112

Babbitt Bearing Company

Meeting the needs of our customers since 1945. We specialize in the refurbishing of Moyno, Tarby, Netzsch, Seepex rotors, as well as quill and drive shafts.

- CNC Machining
- CNC Grinding
- Hard Chrome Plating
- Plasma Flame Spraying

MANUFACTURING & REPAIR

408.298.1101

www.bbcmachine.com
 FAA Repair Station # BK3R400L

IF IT LOOKS EASY, WELL, THAT'S ONLY BECAUSE IT IS.



The Emerson logo is a trademark and service mark of Emerson Electric Co. ©2012, RIDGID, Inc.

GO FARTHER WITH LESS EFFORT.

With improved reel mechanics and a next-generation cable that reduces friction down the line, the SeeSnake® Max™ rM200 Camera Inspection System makes drain inspections easier than ever. It's portable, with an optional transport system, and versatile enough to work on lines up to 200' long and 1-1/2" to 6" in diameter.

LEARN MORE AT 800.769.7743 OR RIDGID.COM/RM200

We
Build
Reputations™

RIDGID



EMERSON
Commercial & Residential Solutions



PARTSEXPRESS

www.gapvax.com



GapVax's FIRST CNG BUILD!



**From September 4-14, 2012
PartsExpress is giving you 10% OFF all
water pumps, blowers, and gearboxes!**

**Manufacturing Combo JetVacs, Hydro-Excavators,
Industrial Vac Loaders, Specialty Skid-mounted Vac
units and so much more! Custom built equipment,
with superior patented filtration, that is reliable,
durable, versatile, and the #1 Choice in the industry!**

Call today for a demo! 888-442-7829

SEPTEMBER Brings great shows **WJTA-IMCA** in Houston, TX Sept. 10-12 at the George Brown Conv. Center, Booth 117 and outside demo; **PA SAFETY DAYS** Cranberry Twp. Municipal Building in Cranberry, PA; **South Texas Oilfield Expo** is Sept. 19-20 at the American Bank Center Corpus Christi, TX Booth 416 and large equipment outside; **MINExpo** is Sept 24-26 Las Vegas Convention Ctr Booth 4044; **Tri State Seminar on the River** in Primm NV Sept. 25-27, Look for **Plumber's Depot!**



EXPERTISE

TECHNOLOGY

RESPONSIBILITY



Who's in Charge of Evolution?

The Vac-Con Combination Machine has evolved from many years of experience... the customer's experience! If you want to know what works...or not, ask the guy who spends his days at the end of a vacuum hose trying to do a good job.

Call us today to find out how we can bring *More Power to You...* by listening. At Vac-Con, the customer's in charge of evolution!

To learn more about the Vac-Con Combination Machine, scan the QR code on our ad, call us at **1-888-491-5762** or go to **www.vac-con.com**

Scan the QR Code to view a Combination Machine Product Demonstration!

A HOLDEN INDUSTRIES Company

