

# Pumper®

DEDICATED TO THE LIQUID WASTE INDUSTRY

September 2023  
pumper.com

Vacuum &  
Excavation  
**Directory**

Page 32



## SUCTION STARTS HERE

Canada's Hurricane Hydrovac has the tools and talent to pump or dig on just about any job where vacuum power is required

Page 16

PRODUCT FOCUS

**VACUUM EXCAVATION  
AND INDUSTRIAL  
JET/VAC SERVICES**

Page 48





Your PJ, Your Way

# Equipment for Every Season & Any Need

Summer is winding down and school is back in session. For any late summer, early fall or school events, get the equipment you need from the company you trust.

Contact *PolyJohn* today!



**DOWNLOAD OUR GUIDES**

[PJProductGuide.com](http://PJProductGuide.com) | [PJPROReferenceGuide.com](http://PJPROReferenceGuide.com)

 **POLYJOHN**<sup>®</sup>

2500 GASPAR AVE., WHITING, IN 46394

[PJPUMPER.COM](http://PJPUMPER.COM) | 800.292.1305

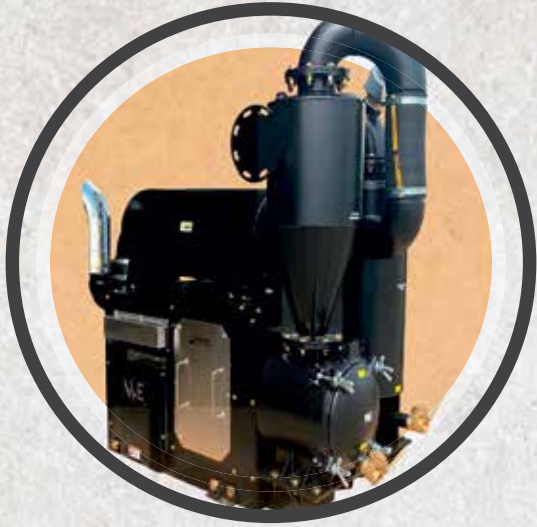




# NVE

National Vacuum Equipment

— Part of the Atlas Copco Group —



# NEED MORE POWER?

*YOU NEED NVE*

## 1600

HEAVY DUTY  
VACUUM BLOWER

*Pro Pak | 1600 CFM*

## 43 SERIES

HEAVY DUTY  
VACUUM BLOWERS

*Pro Pak | 560 - 940 CFM*

## B500

ENTRY LEVEL  
VACUUM BLOWERS

*Max Pak | 431 CFM*

# Challenger Series

VACUUM PUMPS & BLOWERS

800-253-5500 | [www.natvac.com](http://www.natvac.com)





Photo courtesy of Hurricane Hydrovac

# 16

## Suction Starts Here - Ken Wysocky

Canada's Hurricane Hydrovac has the tools and talent to pump or dig on just about any job where vacuum power is required.

### 8 Between the Lines: Show Us Your Classy Truck

Join us at our new social media channels to celebrate the top trucks in the septic service industry.  
- Jim Kneiszel

### 14 @pumper.com

Check out the latest online-only content at the Pumper website.

### 26 Building the Business: You Had a Training Session and Nobody Learned Anything

Explore these three root causes why training doesn't stick with your crew and make some changes.  
- Kate Zabriskie

### 30 Septic Detective: Measuring Sludge and Scum - It Must Be Done!

Effective core sampling sets the stage for proper septic tank maintenance.  
- Sara Heger

### 32 Vacuum and Excavation Directory

### 42 Money Manager: You Know What They Say About Death and Taxes?

Start succession planning now to protect your assets and ensure heirs know the road ahead for your small business.  
- Joan Koehne

### 48 Product Focus

Vacuum Excavation and Industrial Jet/Vac Services  
- Craig Mandli

### 56 Snapshot: "It's Not Your Grandparents' Septic System"

Iowa installer and pumper Rick Miene counts customer education as a critical part of his daily routine

### 62 Rules & Regs:

Nevadans Balk at Forced Municipal Sewer Hookups  
- David Steinkraus

### 64 Associations List

### 66 Classy Truck of the Month

S.O.S. Septic, Englewood, Florida

### 68 Industry News

### 70 Product News/Spotlight

Hydroexcavation truck designed to maximize operator efficiency  
- Craig Mandli

## ON THE COVER:



What started with the purchase of an existing septic service business has grown into the diversified wastewater and hydroexcavation company, Hurricane Hydrovac, in Canada. Carmon Geffs is shown using a high water pressure hose for site prep work for a home construction project. (Photo by Eric Seals)

## COMING IN OCTOBER

➤ PROFILE: Ohio pumping family nears 30 years in business

➤ PUMPER NEWS: Spreading the word about maintenance

# Pumper®

DEDICATED TO THE LIQUID WASTE INDUSTRY  
www.pumper.com

Published monthly by



COLE Publishing Inc.  
PO Box 220  
Three Lakes, WI 54562

© Copyright 2023 COLE Publishing Inc.

No part may be reproduced without permission of the publisher. In U.S. or Canada call toll-free 800-257-7222.

Email: info@pumper.com | Website: www.pumper.com

Office hours: 7:30 a.m.-5:00 p.m. Central Time, Monday - Friday

**SUBSCRIPTION INFORMATION:** A one-year (12 issue) subscription to Pumper in the United States, Canada and Mexico is free to qualified subscribers. Subscriptions to all other foreign countries cost \$150 per year (\$290 for two years). Subscribers are guaranteed monthly delivery of the magazine. To subscribe please visit pumper.com or send company name, mailing address, phone number and check or money order (U.S. funds payable to COLE Publishing Inc.) to the address above. MasterCard, VISA, Discover and American Express are also accepted. Supply credit card information with your subscription order.

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

**CLASSIFIED ADVERTISING:** Submit classified ads online at www.pumper.com/order/classifieds. Minimum rate of \$25 for 20 words; \$1 per each additional word. Include a photo for an additional \$125. All classified advertising must be paid in advance. DEADLINE: Classified ads must be received by the tenth of the month for insertion in the next month's edition. PHONE-IN ADS ARE NOT ACCEPTED. Fax to 715-350-8456 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.



Jim Flory



Winnie May

**DISPLAY ADVERTISING:** Email Jim Flory at jim.flory@colepublishing.com or Winnie May at winnie.may@colepublishing.com or call 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.

**CONTROLLED CIRCULATION:** 20,500 per month. This figure includes all circulation regions (nationwide) and international distribution.

**REPRINTS AND BACK ISSUES:** Visit www.pumper.com for digital reprint options and pricing. To order back issues, call Holly at 800-257-7222 or email holly.gensler@colepublishing.com.



# TRANSWAY DOES IT ALL



We're known for building trucks that use only the highest quality materials, ensuring reliability and longevity. However, we also supply quality parts, which means you can also rely on us for your ongoing maintenance and repair needs. It's our commitment to providing a complete solution.

**TRANSWAY**  
SYSTEMS INC.

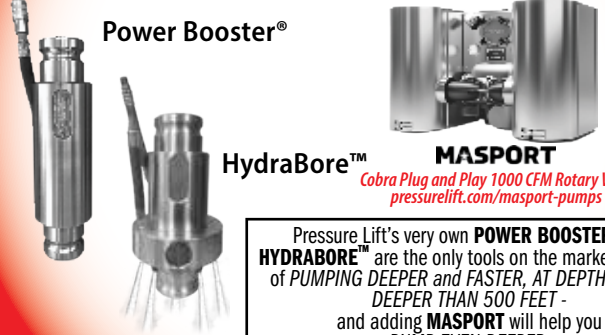
**CUSTOM BUILT. DRIVEN BY YOU.**



# PL PRESSURE LIFT

## PL PUMP DEEPER, PUMP FASTER

PressureLift



Pressure Lift's very own **POWER BOOSTER®** or **HYDRABORE™** are the only tools on the market capable of **PUMPING DEEPER and FASTER, AT DEPTHS MUCH DEEPER THAN 500 FEET -** and adding **MASPORT** will help you **PUMP EVEN DEEPER.**

**We carry every Coxreels product!**  
Whatever you need, we've got it.



We have been proud distributors of Coxreels products for over 10 years

Save time and money with our Coxreels kits!

|  |  |
|--|--|
| <b>1125-200 Kit</b>  | <b>1125-300 Kit</b>  |
| • includes 200 ft. of 3/4 in. air line                                 | • includes 300 ft. of 3/4 in. air line                                 |
| • includes everything you need to hook it up to the back of your truck | • includes everything you need to hook it up to the back of your truck |
| Call for specs   | Call for specs   |



**HANDLE TECH**

**HELPS YOU:**

- clamp onto hoses from 2" to 12"
- lift hoses up to 400 lbs
- make your job easier
- lower your risk for back/hand/foot injuries

Authorized Dealer For **MASPORT** **COXREELS** **HANDLE TECH** **PressureLift.com**  
972-355-0550 | 866-504-6596

## STOP Odor Problems

Septic odors stop with **SWEET AIR™** FILTERING DEVICE

— THE ORIGINAL —

— **TUF-TITE, Inc.** —

**800-382-7009** [www.tuf-tite.com](http://www.tuf-tite.com)

# ADVERTISER INDEX

|  |  |   |
|--|--|---|
| <b>ABBOTT RUBBER COMPANY, INC.</b><br>Abbott Rubber Co., Inc. ....24   | <b>In the Round Dewatering</b><br>In the Round Dewatering .....28                    | <b>Satellite</b><br>Satellite Industries .....11                                |
| American Tank Company .....52  | <b>INTEGRITY TANK</b><br>Integrity Tank Sales & Svc. ....57                          | <b>ScreenO Systems</b><br>ScreenO Systems, LLC .....57                          |
| <b>AMT PUMP COMPANY</b><br>AMT Pump Company .....10  | <b>KeeVac</b><br>KeeVac Industries .....28   | <b>SIG</b><br>Slide In Queen .....40  |
| <b>AQUA-ZYME DISPOSAL SYS.</b><br>AQUA-Zyme Disposal Sys. ....44   | <b>KEY COMMERCIAL CORP.</b><br>Key Commercial Corp. ....28                           | <b>T&amp;T TOOLS, INC.</b><br>T&T Tools, Inc. ....59                            |
| <b>ARCAN ENTERPRISES</b><br>Arcan Enterprises .....54  | <b>LANE'S VACUUM TANK, INC.</b><br>Lane's Vacuum Tank, Inc. ....54                   | <b>T.S.F. COMPANY, INC.</b><br>T.S.F. Company, Inc. ....51                      |
| <b>CAM SPRAY</b><br>Cam Spray .....58  | <b>MARSH INDUSTRIAL</b><br>Marsh Industrial .....63                                  | <b>tanktrack</b><br>Tank Track LLC .....60                                      |
| <b>CAPE COD BIOCHEMICAL CO.</b><br>Cape Cod Biochemical Co. ....60   | <b>EXPLORER</b><br>McKee Technologies - Explorer Trailers .....19                    | <b>TANK WORLD CORP.</b><br>Tank World Corp .....31                              |
| <b>CENTURY CHEMICAL CORP.</b><br>Century Chemical Corp. ....60   | <b>MILWAUKEE RUBBER PRODUCTS</b><br>Milwaukee Rubber Products .64                    | <b>TankTec</b><br>TankTec .....59   |
| <b>COMFORTS OF HOME SERVICES</b><br>Comforts of Home Services ....12   | <b>NAWT</b><br>N.A.W.T. ....69   | <b>tele radio</b><br>Tele Radio America .....55                                 |
| <b>CREWPLEX</b><br>CrewPlex .....46  | <b>NATIONAL TRUCK CENTER</b><br>National Truck Center .....9                         | <b>TS</b><br>Transport Truck Sales/ Transport Tank Sales .....65                |
| <b>CRUST BUSTERS</b><br>Crust Busters .....24  | <b>NVE</b><br>National Vacuum Equipment . 3  | <b>TRANSWAY SYSTEMS INC.</b><br>Transway Systems Inc. .... 5                    |
| <b>DELTA CAPITAL GROUP</b><br>Delta Capital Group .....12  | <b>NORWECO, INC.</b><br>Norweco, Inc. ....25   | <b>TRUCK COUNTRY</b><br>Truck Country .....66                                   |
| <b>ELMIRA MACHINE INDUSTRIES/WALLENSTEIN VACUUM</b><br>Elmira Machine Industries/ Wallenstein Vacuum .....19 | <b>pikrite</b><br>Pik Rite, Inc. ....61  | <b>TRUVAC by Vactor Manufacturing, Inc.</b><br>Vactor Manufacturing, Inc. ...43 |
| <b>ENGINE &amp; ACCESSORY, INC.</b><br>Engine & Accessory, Inc. ....15                                       | <b>POLYJOHN</b><br>PolyJohn .....2   | <b>TSI TANK SERVICES, INC.</b><br>TSI Tank Services, Inc. ....40                |
| <b>FLOWMARK VACUUM TRUCKS</b><br>FlowMark Vacuum Trucks ....24   | <b>PORTALOGIX</b><br>PortaLogix .....67  | <b>TUF-TITE</b><br>TUF-TITE, Inc. ....6, 29                                     |
| <b>FMC ADVISORS</b><br>FMC Advisors .....55  | <b>PL POWER BOOSTER BY PRESSURE LIFT</b><br>Pressure Lift Corporation .....6         | <b>Vactor Manufacturing</b><br>Vactor Manufacturing .....45                     |
| <b>FRUITLAND MANUFACTURING</b><br>Fruitland Manufacturing .....53  | <b>PRESVAC</b><br>Presvac Systems ... Back Cover                                     | <b>Vacutrx Limited</b><br>Vacutrx Limited .....19                               |
| <b>GAPVAX, INC.</b><br>GapVax, Inc. ....21   | <b>R.A. ROSS &amp; ASSOCIATES NE, INC.</b><br>R.A. Ross & Associates NE, Inc. ....46 | <b>VSI</b><br>Vacuum Sales, Inc. ....67, 70                                     |
| <b>GUZZLER MANUFACTURING</b><br>Guzzler Manufacturing .....47  | <b>Summit</b><br>Ritam Technologies, LLC .....40                                     | <b>VARCO</b><br>VARCO .....41   |
| <b>HI-VAC CORPORATION</b><br>Hi-Vac Corporation .....13  | <b>RIVAL HYDROVAC, INC.</b><br>Rival Hydrovac Inc. ....69                            | <b>WALEX</b><br>Walex Products Company ....23                                   |
| <b>HOUSE OF IMPORTS</b><br>House of Imports .....7   | <b>ROEDA</b><br>Robinson Vacuum Tanks .....27  | <b>Condor</b><br>Westmor Ltd. ....61  |
| <b>IMPERIAL INDUSTRIES, INC.</b><br>Imperial Industries, Inc. ....79   | <b>Roth</b><br>Roth North America .....12  | <b>WWETT Show</b><br>WWETT Show .....78   |
|  |  | <b>Classifieds</b> .....72  |
|  |  | <b>Marketplace</b> .....71  |

**Get new content right to your inbox!**

[www.Pumper.com/alerts](http://www.Pumper.com/alerts)



SINCE 1947

# HOUSE OF IMPORTS

6995 NW 32ND AVE • MIAMI, FL 33147 • [abi@vacuumtruckusa.com](mailto:abi@vacuumtruckusa.com)

CALL ANGEL:  
**786.258.3384**

EMAIL ABI:  
[abi@vacuumtruckusa.com](mailto:abi@vacuumtruckusa.com)

## 7 YEARS FINANCING ON NEW TRUCKS!

### NEW TRUCKS



**2024 Freightliner M2** - 2,000 Gal., Allison Automatic Trans., Cummins ISB, 250 H.P., A/C, C/C, Jake Brake, Big Pump NVE 607, 380 CFM, 26,000 GVW - No CDL - **\$140,000**



**2024 Mack MD6** - 2,000 Gal., Allison Automatic Trans., Cummins ISB, 250 H.P., A/C, C/C, Jake Brake, Big Pump NVE 607, 380 CFM, 26,000 GVW - No CDL - **\$140,000**



**2024 Freightliner M2** - 2,000 Gal., Allison Automatic Trans., Cummins ISB 250 H.P., A/C, C/C, Jake Brake, Big Pump NVE 607, 380 CFM, 26,000 GVW - No CDL - **\$140,000**

### USED TRUCKS



**2015 International Prostar** - New 4,200 Gal., 10 spd. Trans., Cummins ISX, 450 H.P., Jake Brake, Big Pump, NVE 538 CFM, A/C, C/C - **Call for Price** -



**2005 Peterbilt 378** - New 4,100 Gal., 8LL Trans., 200K Miles, Cat 350 H.P., Jake Brake, Big Pump, NVE 538 CFM, A/C, C/C - **Call for Price** -



**2015 Peterbilt 365** - New 4,100 Gal., 8LL Trans., 80K Miles, Cummins ISX, 425 H.P., Jake Brake, Big Pump, NVE 538 CFM, A/C, C/C - **Call for Price** -

**WWW.VACUUMTRUCKUSA.COM**



MADE IN THE  
**U.S.A.**

- 1 year/100K mile warranty included on engines for class 8 vehicles
- 1 year/50K mile warranty included on engines for Class 6 & 7 vehicles.





Contact Jim with your comments, questions and opinions at [editor@pumper.com](mailto:editor@pumper.com).

**Jim Kneiszel**  
Editor

# Show Us Your Classy Truck

Join us at our new social media channels to celebrate the top trucks in the septic service industry

By Jim Kneiszel

Our Classy Truck feature was born in the 1990s and has been popular with pumpers even since. Many of you have shared photos of your trucks over the years, first sending paper print photos through the U.S. mail and then via email, which has made the process much easier.

And now it's about time we bring our monthly vacuum truck beauty pageant into the 21st century with a stronger social media presence. We want to make it easier for you to compare notes with other pumper truck lovers about how to spec out trucks for improved service, better ergonomics and, of course, making them more effective rolling billboards for your company.

So here's the skinny on building a bigger Classy Truck community: To get more involved in the feature that has been part of *Pumper* magazine for a generation, check our new Facebook group page at [www.facebook.com/groups/pumperclassytruck](http://www.facebook.com/groups/pumperclassytruck). The Classy Truck group is private, so you'll have to answer a few questions to join, but we want to welcome all fans of vacuum truck building. To make it easy-peasy, scan the QR code to the left and you'll be taken directly to an invitation to join the group.



Also, you can follow us on Instagram at [www.instagram.com/pumpermagazine/](http://www.instagram.com/pumpermagazine/). And if you want to post a photo of your latest rig, use the #classytruck@pumpermagazine hashtag. Also, I will continue to explore Instagram looking for pumpers who frequently post photos and videos of their trucks in action.



The late Ed McGuire of Rome, Pennsylvania, was our first Classy Truck of the Year winner in 2006 with this Sterling Acterra.

➤ The annual Classy Truck winner is given a second special vinyl to add to the truck. These vinyls are a stamp of approval that shows your truck meets a high standard of professionalism in the pumping industry.

## POST A VIDEO

Speaking of videos, we invite you to add a walk-around tour of your service trucks for our social media visitors to get a better look at the custom features you find most important. That could include a peek under the hood to see the power plant and inside the cab to review your interior choices. Show us your pump, chrome accents and convenience items like sight glasses, hose trays, equipment cabinets, etc. All this added information will come in handy when ...

... *Pumper* readers are asked to vote for the Classy Truck of the Year. That's right. Since 2006, we've assembled the monthly trucks in a virtual garage, where you are invited to help us choose the cream of the crop for our annual honor. Being featured on the cover of our WWETT Show issue in February has become a source of great pride for Classy Truck owners. It has been so cool to distribute extra copies of the magazine at the WWETT Show for many years and pay tribute to some top-notch trucks.

In 2020, we designed a monthly Classy Truck logo vinyl graphic that is given to the owner of each of our featured trucks. I'm including a copy of the logo here. The annual Classy Truck winner is given a second special vinyl to add to the truck. These vinyls are a stamp of approval that shows your truck meets a high standard of professionalism in the pumping industry. If you've received one of the vinyls and it is affixed to your truck, we'd love for you to post a photo of it on our social media channels.



(continued)



# National Truck Center

EST. 1981

786-367-4961  
954-410-6553  
www.NationalTruckCenter.com  
3001 EAST 11th AVENUE | HIALEAH, FL 33013

## NEW TRUCKS

UNDER CDL



### 2022 International CV 515

Duramax 6.6L (350 HP), Automatic,  
New 1400 Gallon Tank, New Juroop PN-58  
Vacuum Pump (217 CFM)  
**\$118,000**

UNDER CDL



### 2023 Isuzu FTR

Cummins ISB (285 HP), Allison Automatic,  
New 2000 Gallon Tank, New Juroop PN-58  
Vacuum Pump (217 CFM)  
**\$129,000**



### 2024 Mack MD7

Cummins ISB (285 HP), Allison Automatic,  
New 2000 Gallon Tank, New Juroop PN-58  
Vacuum Pump (217 CFM)  
**\$140,000**



### 2024 Mack MD7

Cummins ISB (285 HP), Allison Automatic,  
New 2500 Gallon Tank, New Juroop PN-84  
Vacuum Pump (317 CFM)  
**\$140,000**



### 2024 Western Star 47X

Cummins ISX (450 HP), Allison Automatic,  
New 4000 Gallon Tank, New Juroop LC-420  
Vacuum Pump (423 CFM)  
**Call For Quote**



### 2024 Mack Granite

Mack MP8 (450 HP), Allison Automatic,  
New 4000 Gallon Tank, New Juroop LC-420  
Vacuum Pump (423 CFM)  
**\$217,000**



### 2024 Western Star 47X

Cummins ISX (450 HP), Allison Automatic,  
New 4000 Gallon Tank,  
New Juroop LC-420 (423 CFM)  
**\$219,000**

## PRE-OWNED TRUCKS READY TO GO

UNDER CDL



### 2015 International 4300

DT-466 (245 HP), Allison Automatic,  
229K Miles, New 2000 Gallon Tank,  
New Juroop PN-58 Vacuum Pump (230 CFM)  
**\$75,000**

UNDER CDL



### 2015 Freightliner M2

Cummins ISB (285 HP), Allison Automatic,  
191K Miles, New 2000 Gallon Tank,  
New Juroop PN-84 Vacuum Pump (317 CFM)  
**\$100,000**



### 2017 International 4300

Cummins ISB (285 HP), Allison Automatic, 290K  
Miles, New 2500 Gallon Tank, New Juroop PN-84  
Vacuum Pump (317 CFM)  
**\$90,000**



### 2014 Freightliner M2

Cummins ISB (285 HP), Allison Automatic,  
280K Miles, New 2500 Gallon Tank,  
New Juroop PN-84 (317 CFM)  
**\$90,000**



### 2015 Freightliner M2

Cummins ISB (285 HP), Allison Automatic, 204K  
Miles, New 2500 Gallon Tank, New Juroop PN-84  
Vacuum Pump (317 CFM)  
**\$100,000**



### 2016 Freightliner M2

Cummins ISL (350 HP) Allison Automatic,  
360K Miles, New 4000 Gallon Tank,  
New Juroop LC-420 (425 CFM)  
**\$133,000**



### 2015 Freightliner M2

Cummins ISL (350 HP) Allison Automatic,  
360K Miles, New 4000 Gallon Tank,  
New Juroop LC-420 (425 CFM)  
**\$148,000**



### 2017 Freightliner Cascadia

Cummins ISX (450 HP), Allison Automatic,  
214K Miles, New 5000 Gallon Tank, New Juroop  
LC-420 (425 CFM) Vacuum Pump  
**\$155,000**

TRANSPORTATION AVAILABLE NATIONWIDE



Sold exclusively at  
National Truck Center





## LOOKING BACK

When planning for this column, I thought it would be interesting to review our first Classy Truck winner from 2006 and our most recent winner from 2022. I've included photos here.

Our first winner was the late Ed McGuire, from McGuire's Septic Service in Rome, Pennsylvania. A late-model dirt track racer and old-car buff, Ed chose a fitting two-tone paint job for his Sterling Acterra build-out by Pik-Rite — 1957 Chevy turquoise and Chrysler Super White. The truck carried a 2,500-gallon steel tank, 8-speed Eaton Fuller transmission and an R-260 Jurop pump. Recently I heard word that this great truck is still on the road serving pumper customers.

"I never dreamed that we'd win," Ed told me at the time. "I'm overwhelmed. I've chuckled to myself a few times about it. I've been doing this for 40 years and I know what I want. [Pik-Rite] did a super job. They had some neat ideas and we worked really well together."

Our latest Classy Truck annual winners are Jerry and Chris Jakubowicz, of Rural Septic Service in Boyd, Wisconsin. Their pride and joy is a \$285,000 buildout of a Peterbilt 567 from Imperial Industries. The all-red rig is powered by a Cummins X15 100th Anniversary edition 450 hp engine pulling a 5,000-gallon steel tank. The truck utilizes a National Vacuum Equipment



📍 This bright red beauty is our most recent Classy Truck of the Year, owned by Jerry and Chris Jakubowicz, of Rural Septic Service in Boyd, Wisconsin.

blower and Allison automatic transmission, two features that would have been fairly rare in earlier trucks like Ed's.

Jerry had a similar response to Ed's when he was told his truck won the prize.

"I was shocked. I didn't think I'd ever win. There's a lot of nice trucks out there," he said earlier this year. "What can I say [about the truck] other than I love it? Imperial did a hell of a job building it."

## STAKE YOUR CLAIM

You can join Ed and Jerry in writing the next chapter of our Classy Truck feature.

If you have submitted a Classy Truck for publication in the past, you know the routine. And you're always invited back to share your latest new truck or a restoration of an existing rig. If you've never participated before, the process is quick and simple. Let me explain:

First, shoot a photo of your truck. You can use your smartphone or a digital camera, but please set it for the highest-quality image because we need lots of pixels to publish a photo in the print magazine. Make sure to show the entire truck, from bumper to bumper, with a side view to show off both the cab and the tank. You can choose the driver or passenger side based on the features you would like to include. Just like people, every truck has a better side for photos, right?

Look for an interesting backdrop for the photo, such as a tree-lined natural area or an interesting commercial customer's business. And one last piece of photography advice: point your truck into the sun so it is brightly lit and not backlit. Early morning or late afternoon sun is the best as it casts a warmer glow on your beautiful paint job and polished chrome.

Along with your photos, we ask you to fill out a brief questionnaire with details about your truck. Here's what we want to know so we can share with readers: The owner; the driver; what type of work the truck performs; the paint scheme; brand, model and year of the truck; engine specifications, including horsepower, model name or number; the company that added the tank and built out the truck; the tank capacity and material — steel, stainless steel or aluminum; favorite exterior and interior features; the name of the company that added graphics.

## SEE YOU SOON

So join us on Facebook or Instagram or simply email me your photo and information to [editor@pumper.com](mailto:editor@pumper.com). We love to talk trucks, and enjoy publishing Classy Trucks in the magazine. We hope to see yours soon! **P**



**AMT**  
A Gorman-Rupp Company

*The Pump People*

Please visit us at  
[www.amtpump.com](http://www.amtpump.com)

AMT Pump Company 400 Spring St Royerford, PA USA  
PH: 610-948-3800 email: [sales@amtpump.com](mailto:sales@amtpump.com)

**Washdown Duty Pump**

- 7/8 HP 12Volt DC Premium Washdown Duty Motor
- High Efficiency Closed Impeller
- Discharge Rotates 90° Increments





# SECTION 179



8X20', 8-STATION

FRESHWATER DELIVERY SYSTEM

TAG 4 HANDWASH SINK

PIONEER 1 LITE TRAILER

PORTABLE RESTROOM

HOLDING TANK

PPE & SAFETY GEAR

ELECTRIC P&D 700

Expand your fleet before the end of the year and **SAVE BIG** with Section 179! Write off up to \$1,160,000.00 with 100% depreciation the first year. What's that mean for you? **BIG SAVINGS** and **MORE EQUIPMENT!**

Don't leave any meat on the bone for Uncle Sam, take advantage now and get the equipment you need to be ready for what next year will bring.



SATELLITEINDUSTRIES.COM | INFORMATION@SATELLITEINDUSTRIES.COM | 1.800.883.1123





Up To \$500,000 Same Day Funding

888-228-0707

EASY APPROVAL | FLEXIBLE TERMS  
[deltacapitalgroup.com/apply](http://deltacapitalgroup.com/apply)



THE MOST LAYOUTS AVAILABLE FOR  
 HANDICAP ACCESSIBLE TRAILERS



Proudly Made  
 Since 2003

**Comforts of Home**  
 Services, Inc.  
 BATHROOM • SHOWER • SPECIALTY TRAILERS



68-07F-0236V

See our website for floor plans and options.

[info@cohsi.com](mailto:info@cohsi.com) • 630.906.8002 • [www.cohsi.com](http://www.cohsi.com)



Septic Tanks • Water Cisterns  
 Pump Tanks • Holding Tanks  
 Rain Water Harvesting

Multi Usage      Multi Layer      Multi Coverage

- Inner layer of FDA approved virgin HDPE, two inside layers of PE for improved stability, plus one outer layer of black and UV-stabilized PE
- Lifetime\* corrosion protection and 5 years of labor insurance
- Strongest & heaviest poly tank on the market
- No water for backfilling required
- Low profile
- 100% watertight

Our multi-layered tank construction, consisting of virgin material surrounded by 3 layers of protection.



**BEST TANK. BEST WARRANTY. BEST SYSTEM.**

Roth Global Plastics

[www.roth-america.com](http://www.roth-america.com) 866-943-7256

\*see warranty for details



# UNLEASH THE POWER OF X



**X-8**   **X-13**   **X-15**

The **X-Vac**® line delivers the industry's most powerful vacuum technology, largest legal payload capacity, and robust, industrial-grade controls to make quick, safe work of all hydro excavation projects.



X-Vac® Hydro Excavators is a product of Hi-Vac® Corporation

**Learn more about our full line of hydro excavators at [x-vac.com](http://x-vac.com)**



117 Industry Road, Marietta, Ohio 45750, USA

US: 800.752.2400 | INT'L: +1.740.374.2306 | ✉ [sales@hi-vac.com](mailto:sales@hi-vac.com)

[www.hi-vac.com](http://www.hi-vac.com) | Hi-Vac Corporation | Hi-Vac Corporation



# @Pumper.com

Visit the site daily for new, exclusive content. Read our blogs, find resources and get the most out of Pumper magazine.



DISPOSAL CHALLENGES

## pumpers share tips

The disposal of septage is a constant challenge for septic pumping companies, often accompanied by a quagmire of regulations and logistical headaches. In this online article, we explore the unique approaches of three septic pumping companies whose owners have found practical methods to tackle these challenges.

[pumper.com/featured](http://pumper.com/featured)



DRAIN SYSTEMS

## methods to enter

When responding to a drain service call, one of the first things you'll have to determine is how you'll access the pipe. This article by master plumber Anthony Pacilla gives readers a look at the options.

[pumper.com/featured](http://pumper.com/featured)

“Ongoing, thorough communication with a customer is one of the most important things you can do to assure the best possible outcome.”

– *Managing Customer Expectations: Make Your Onsite Customers Happy in Advance*

– [pumper.com/featured](http://pumper.com/featured)



DESIGNING DRAINFIELDS

## avoid digging deep

An installer uncovered extremely dense, rock-like soil while examining a failing system, leading to questions about appropriate replacement systems. In their answer, onsite system professionals Jim Anderson and Dave Gustafson explain how shallow trenches allow the trench bottom to be located above the required separation distance from a limiting soil layer.

[pumper.com/featured](http://pumper.com/featured)

DRAWING SYSTEM PLANS

## technology streamlines the job

Drawing onsite system plans and site plans for soil tests can be time consuming, but new technologies are helping streamline the process. Read about how newer technologies are aiding in making site plans faster, easier and more accurate.

[pumper.com/featured](http://pumper.com/featured)



➔ CONNECT WITH US



emails and alerts

Visit Pumper.com and sign up for newsletters and alerts. Get exclusive content delivered right to your inbox, and stay in the loop on topics important to you!

want more?



Find us on Facebook at [facebook.com/PumperMag](https://facebook.com/PumperMag) or Twitter at [twitter.com/PumperMag](https://twitter.com/PumperMag)





4 IN-PRODUCTION

2024 MACK MD7, 300 HP, CUMMINS ISB, 3000 RDS AUTO TRANS., DIFF LOCKS, AIR RIDE READ, 2500 CARBON STEEL TANK, NVE BLOWER 426 CFM, 36" TOOLBOX, CHROME PACKAGE.  
**CALL FOR PRICE**



2024 KENWORTH T880, CUMMINS ISX 450 HP., ALLISON AUTOMATIC TRANSMISSION, 5200 ALUMINUM TANK, NVE BLOWER 940 CFM, 36" ALUMINUM TOOLBOX, 79K GVWR.  
**CALL FOR PRICE**



2024 PETERBILT 567, CUMMINS ISX 450 HP, ALLISON AUTOMATIC TRANSMISSION, 4200 ALUMINUM TANK, NVE 4310 BLOWER 940 CFM, 36" TOOLBOX, CHROME PACKAGE.  
**CALL FOR PRICE**



2 IN-PRODUCTION

2024 INTERNATIONAL HX, CUMMINS ISX 450 HP, AUTOMATIC TRANS., DIFF LOCKS, 4000 CARBON STEEL TANK, FRUITLAND RCF 870 PUMP, 501 CFM, 36" ALUMINUM TOOLBOX.  
**CALL FOR PRICE**



2024 KENWORTH T880, CUMMINS ISX 450 HP, ALLISON AUTOMATIC TRANSMISSION, 4000 CARBON STEEL TANK, FRUITLAND PUMP 510 CFM, 36" TOOLBOX, 66K GVWR.  
**CALL FOR PRICE**



2 IN-PRODUCTION

2024 INTERNATIONAL HX, CUMMINS ISX 450 HP., ALLISON AUTOMATIC TRANSMISSION, 4000 CARBON STEEL HOIST TANK, FRUITLAND PUMP 510 CFM, 36" TOOLBOX, 66K GVWR  
**CALL FOR PRICE**



5 IN-PRODUCTION

2025 INTERNATIONAL HV, CUMMINS ISL 350 HP., ALLISON AUTOMATIC TRANSMISSION, 4200 ALUMINUM TANK, FRUITLAND PUMP 510 CFM, 36" ALUMINUM TOOLBOX, 60K GVWR.  
**CALL FOR PRICE**



2024 INTERNATIONAL MV, CUMMINS ISL 300 HP, ALLISON AUTOMATIC TRANSMISSION, 3000 RDS, 2500 ALUMINUM TANK, NVE 4307 BLOWER, 36" TOOLBOX, 33K GVWR.  
**CALL FOR PRICE**

5 IN-PRODUCTION



2025 INTERNATIONAL HV, CUMMINS ISL 350 HP., ALLISON AUTOMATIC TRANSMISSION, 4200 CARBON STEEL TANK, FRUITLAND PUMP 510 CFM, 36" TOOLBOX, 60K GVWR  
**CALL FOR PRICE**



OUR SALES TEAM:  
GEORGE (954) 558-0816  
ROGER (305) 409-8603  
RJ (786) 328-9330



OUR WEBSITE:  
[EAMTANKTRUCKS.COM](http://EAMTANKTRUCKS.COM)  
[EAMPARTS.COM](http://EAMPARTS.COM)



OUR ADDRESS:  
12201 NW 30TH PLACE  
MIAMI, FL 33167-2526

OUR STORE:  
SCAN TO VIEW  
PARTS & PRICES



# Pumper Classifieds

get the job done.

Print | Online | Mobile

Place your classified ad today.

[www.pumper.com/classifieds/place-ad](http://www.pumper.com/classifieds/place-ad)





☑️ Shawn O'Keefe, president of Hurricane Hydrovac, is shown in the company shop with a Vactor 2100 Plus in the background. (Photos by Eric Seals)



# SUCTION STARTS HERE



Canada's Hurricane Hydrovac has the tools and talent to pump or dig on just about any job where vacuum power is required

By Ken Wysocky



**E**very day, more than two dozen hydroexcavation and dry- and wet-vacuum trucks emblazoned with Hurricane Hydrovac iconography fan out across southern Ontario to expose underground utility lines, pump out septic tanks, dig trenches, perform industrial cleaning and flush municipal sewer lines.

Offering this broad range of services is a chief reason why Hurricane Hydrovac — based in Essex, Ontario, about 15 miles southeast of downtown Detroit — has grown dramatically since its inception in 2015.

“We do all kinds of vacuum work,” says Shawn O’Keefe, who co-owns the company with business partner Max De Angelis. “If you have a job that requires a vac truck, we can do it. We’re licensed to carry anything.

“A lot of guys in this business just dig holes,” he continues. “But we do everything, from handling emergency spills and sewer flushing to industrial cleaning and railroad work.”

Strategic acquisitions also have played a key role in the company’s growth. In fact, the biggest acquisition — the 2015 purchase of Heaton Sanitation, which cleans grease traps and septic and holding tanks — essentially created Hurricane Hydrovac.

And in 2016, the company acquired Leamington-based Sewer Maintenance Services, which cleans and inspects municipal sewer lines and does trenchless pipeline rehabilitation work. The company was rebranded as Hurricane SMS and operates as a separate company from Hurricane Hydrovac.

Today, the company’s primary customers are gas and electric utilities, telecommunications companies, municipalities, general contractors that do roadwork and heavy construction, O’Keefe says.

### WEALTH OF EXPERIENCE

O’Keefe, age 49, has deep roots in the excavation world. While attending high school and earning an engineering degree at the University of Windsor, he worked for his father’s company, Michael O’Keefe Ltd., which did excavating, septic pumping and industrial cleaning.

“I was running heavy equipment at age 15,” he recalls.

In 1996, after graduating from the university, O’Keefe started working for his father full time. Around 2009, he persuaded his father to add hydroexcavating to the company’s services. And in 2015, O’Keefe and De Angelis, whom O’Keefe knew after years of working together in the construction field, teamed up to buy Heaton Sanitation and form Hurricane Hydrovac.

Heaton Sanitation is still in business and focuses mostly on cleaning septic tanks, grease traps and holding tanks, while its hydroexcavation services were folded into the Hurricane Hydrovac umbrella.

“We saw there was a growing need for hydrovac service,” O’Keefe says. “It was a great opportunity because at the time, there wasn’t a ton of competition. So we wanted to get in early, dominate our area and expand into southern Ontario.

“Now there’s a ton of companies entering the market — probably 10 times more than when we started,” he adds. “But there’s also a lot more need for hydrovac work, so for the most part, there’s plenty of work to go around.”



▼ The team at Hurricane Hydrovac includes, from left, Mike Talbot, operations manager; Shawn O’Keefe, president; Andrew Beaudoin, liquid waste dispatcher; Steve Hamza, fleet manager; Carmon Geffs, hydrovac operator; Tom Ross, hydrovac operator; Kaleigh Hayes, office manager; and Heather Moric, administrative assistant.



## Hurricane Hydrovac Ltd.

Essex, Ontario, Canada

**OWNERS:** Shawn O’Keefe and Max De Angelis

**FOUNDED:** 2015

**EMPLOYEES:** 85

**SERVICE AREA:** Southern Ontario

**SERVICES:** Hydroexcavation, septic and liquid-waste removal, sewer cleaning and inspections

**WEBSITE:** [hurricanehydrovac.ca](http://hurricanehydrovac.ca)

“A LOT OF GUYS IN THIS BUSINESS JUST DIG HOLES. BUT WE DO EVERYTHING, FROM HANDLING EMERGENCY SPILLS AND SEWER FLUSHING TO INDUSTRIAL CLEANING AND RAILROAD WORK.”

SHAWN O’KEEFE



## ► Pumper PROFILE



▲ This nighttime shot shows a Vactor 2100 Plus used for sewer flushing and hydroexcavation, left, and a cube van outfitted with a RapidView IBAK inspection system. (Courtesy of Hurricane Hydrovac)

◀ High pressure hydroexcavation makes short work of a digging job at a residential construction site.



Starting out with a solid base of experienced operators also enabled the company to charge profitable rates, as opposed to discounting rate to gain market share, he says.

“We don’t sell jobs based on price,” O’Keefe explains. “We sell based on providing the best service. If people balk at our prices, we educate them and explain that trucks cost about \$500,000 and that labor rates for experienced operators isn’t cheap, either.”

“We believe that customers want you to be available when they need you and they want you to provide good, quality equipment and knowledgeable people,” he continues. “When someone hires a hydrovac company, it’s a big expense. But they’ll accept that as long as they get good service.”

### INVESTING IN EQUIPMENT

A critical part of providing good service is investing in quality equipment that maximizes productivity and profitability and minimizes downtime. And Hurricane Hydrovac’s fleet of equipment reflects that emphasis on service.

When Hurricane Hydrovac acquired Heaton, the former owned four hydrovac trucks and Heaton owned seven. Now the company owns a fleet of 13 hydroexcavating trucks, eight combination sewer trucks and five liquid-vacuum trucks.

Five of the hydrovac trucks are Vactor HXX models built on Kenworth, International and Western Star chassis. They carry 15-cubic-yard debris tanks and 1,300-gallon water tanks and rely on Cat water pumps and blowers made by Hibon Inc. (a division of Ingersoll Rand).

The company also owns two hydrovac trucks built by Foremost on Kenworth chassis with 15-cubic-yard debris tanks, 2,000-gallon water tanks, *(continued)*

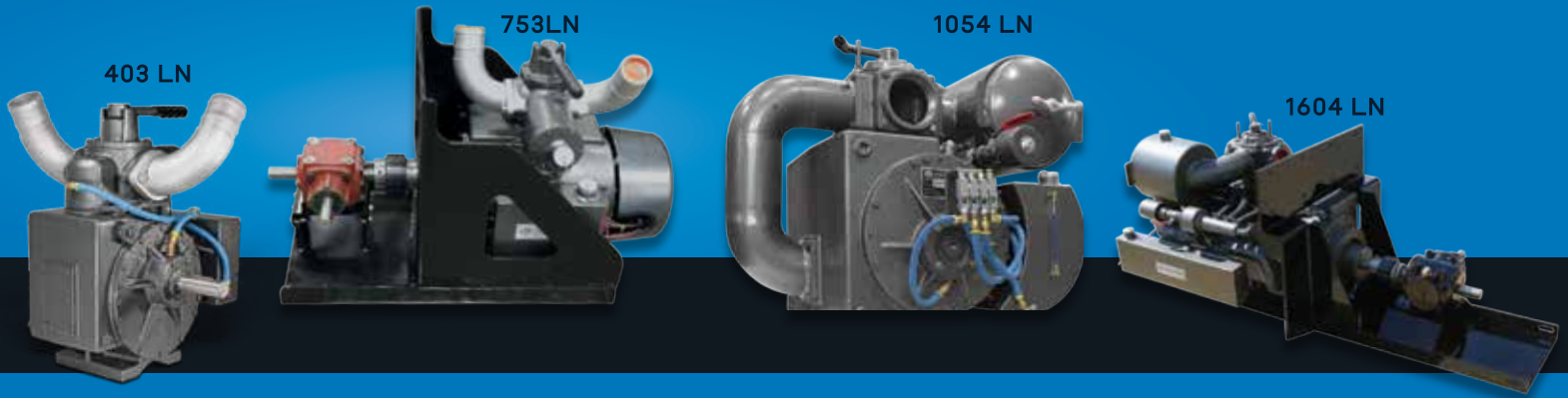
### ACQUISITION ADVANTAGES

Why did O’Keefe and De Angelis decide to acquire a company instead of building one from scratch? The partners debated the pros and cons of both scenarios for some time before deciding that acquiring a company provided two big advantages: It eliminated a competitor and gave Hurricane Hydrovac a core group of experienced operators right away.

“By acquiring Heaton, we started out with a large customer base and operators with decades of experience, which was priceless,” O’Keefe notes. “Some of our guys have been operating hydroexcavation trucks for more than 25 years, which is a huge knowledge base.”



# LIQUID COOLED VACUUM PUMPS (220-800 CFM)



**Wallenstein**  
vacuum pumps

Manufactured by  
**EM** elmira  
machine  
industries inc.

**wally**  
vacuum pumps  
WALLENSTEIN.COM

1.800.801.6663



**vacutrux**

**SEPTIC TRUX**

from 1800USG to 5600USG,  
Multi-axle configurations to  
meet state or provincial regulations

VACUTRUX.COM



1.800.305.4305



**EXPLORER**



MANUFACTURED BY  
**McKEE**  
TECHNOLOGIES INC.

ALBERTA

Tel: 886-587-7262

ONTARIO

Tel: 519-669-5720

QUEBEC

Tel: 819-820-7659

ARIZONA

Tel: 480-208-6997

CALIFORNIA

Tel: 530-832-0370

COLORADO

Tel: 303-526-5370

FLORIDA

Tel: 321-830-2239

TEXAS

Tel: 817-453-7401

1.866.457.5425

MCKEETECHNOLOGIES.COM

**TRANSPORTER**  
**TRAILERS**





## ► Pumper PROFILE



Carmon Geffs and Tom Ross use a high water pressure hose from a Rival hydrovac to excavate dirt around a home construction site in Windsor, Ontario.

Cat water pumps and blowers from Robuschi-Gardner Denver; one Cusco Hydro Trencher unit (Hi-Vac Corporation) on a Western Star chassis with a 15-cubic-yard debris tank, two 500-gallon water tanks, a Cat water pump and a Hibon blower; and four T10 trucks built by Rival on Western Star chassis and featuring 10-cubic-yard debris tanks, 1,200-gallon water tanks, Robuschi blowers (Gardner Denver) and water pumps by Pratisoli (a brand owned by Interpump Group).

A Wolf hydroexcavator, built by Westech Vac Systems on a Western Star chassis with a 15-cubic-yard debris tank, a 1,300-gallon water tank, a Cat water pump and a Hibon blower, rounds out the roster of hydrovac trucks.

### MORE SERVICES, MORE TRUCKS

The company also owns eight Vactor 2100 combination sewer trucks built on Kenworth, Western Star and Sterling chassis; they feature debris tanks ranging from 12 to 15 cubic yards, Vactor-made water pumps and either Roots blowers (Howden) or Vactor two-stage fans.

In addition, the company has invested in five liquid vac trucks built out on Peterbilt and Western Star chassis by Presvac Systems and Cusco; they feature 3,000 to 4,000-gallon debris tanks and vacuum pumps manufactured by Robuschi. Two liquid vac trucks built by Custom Vac Services and used primarily for septic and liquid-waste industrial work, feature Peterbilt chassis, 4,000-gallon debris tanks and Robuschi vacuum pumps.

Hurricane Hydrovac also invested in a Hi-Rail dry-vacuum truck built out by Guzzler Manufacturing (a subsidiary of Federal Signal Corp.); it's equipped with special wheels that enable it to drive on railroad tracks when needed. It features an 18-cubic-yard debris tank and a Hibon blower and is used to clean up spills at railroad yards or in rail tunnels.

Investing in quality equipment also works as an employee retention tool, O'Keefe notes.

"I definitely think it does," he says. "They need to believe in the ownership of a company. If employees see a company doesn't invest in new equipment and start thinking it won't be here in a few years, they're less likely to stick around. Plus, guys love to run newer trucks.

"We don't cut corners on maintenance, either," O'Keefe adds. "One of the most frustrating things for an operator is showing up on a job with a truck that's not working 100% and having to explain that to a customer.

"We don't put our guys in that position."

To that end, the company runs its own repair shop with eight to 10 full-time mechanics, another eight employees that do painting and sandblasting and a couple more that do metal fabricating.

"With a repair shop, we can control the time it takes for repairs," O'Keefe points out. In addition, the shop has enough room to park about 18 trucks indoors, which saves money on winterizing them, he adds.

### QUALITY COUNTS

The company prides itself on providing customers with fast, quality work. To ensure that requires building a culture that rewards hard work and

(continued)

## MORE INFO

#### Cat Pumps

763-780-5440  
www.catpumps.com

#### Custom Vac Services Ltd.

780-955-9344  
www.customvac.com

#### Foremost

403-295-5800  
www.foremost.ca

#### Gardner Denver Inc.

866-428-4890  
www.gardnerdenver.com

#### Guzzler Manufacturing

815-672-3171  
www.guzzler.com  
Ad on page 47

#### Hi-Vac Corporation

800-752-2400  
www.hi-vac.com  
Ad on page 13

#### Hibon Inc.

(a division of Ingersoll Rand)  
888-704-4266  
www.hibon.com

#### Howden

800-557-8687  
www.howden.com

#### Presvac Systems

800-387-7763  
www.presvac.com  
Ad on page 80

#### RapidView IBAK North America

800-656-4225  
www.rapidview.com

#### Rival Hydrovac Inc.

403-550-7997  
www.rivalhydrovac.com  
Ad on page 69

#### Vactor Manufacturing

815-672-3171  
www.vactor.com  
Ad on page 45

#### Westech Vac Systems, Ltd.

780-955-3030  
www.westechvac.com



# SUPERIOR • VERSATILE • RELIABLE

**X THE  
UTILITY  
EXPO**  
LOUISVILLE, KY  
SEPTEMBER 26-28  
**BOOTH N1339**



# GapVax®

*GapVax custom builds to meet YOUR needs. Industrial vacuum equipment built FOR THE OPERATOR, BY THE OPERATOR. There's no time for down time, that's why we build the most reliable equipment, ready for anything AND easy to operate and maintain. Air movers, hydro excavators, combination jetvac, recycle jetvac, trailer jetters, skid mounted vacuum units, parts and accessories - we've got what you need! Give us a call today to request a demo or speak with a sales manager!*

*Stay up to date with us on social to see where we're going next!*

281-884-8658  
LA PORTE, TX

GAPVAX.COM

888-442-7829  
JOHNSTOWN, PA







▶ A technician is at the controls of an IBAK inspection camera. The company has four camera trucks working at its Hurricane Sewer Maintenance Services division. (Courtesy of Hurricane Hydrovac)

integrity. Part of that culture was built by veteran Heaton employees that stayed on board after the acquisition, O’Keefe notes.

A lead-by-example ethic instilled by O’Keefe and De Angelis also sent a strong message to employees, he says.

“Nobody here is too good to get dirty or do dirty work,” O’Keefe explains. “Max and I and our managers aren’t afraid to get out in the field. I still run [excavation] equipment on most days. The easiest way to earn the respect of employees is to get out there with them.”

As an example, O’Keefe cites a sewer replacement project that didn’t go as planned, requiring a crew to dig up the line and reinstall it.

“On a Friday night, I went down into about a 10-foot-deep trench, up to my knees in mud, to fix the sewer myself,” he says. “You have to lead by example.”

## OPTIMISTIC OUTLOOK

Looking back, O’Keefe says the biggest business mistake he ever made was not entering the hydroexcavation market earlier.

“We should’ve started 10 years before we did,” he says. “We would’ve had an even better head start.”

But looking ahead, the entrepreneur expects continued growth for Hurricane Hydrovac — no tapping on the brakes. And some of that growth could come from expanding services geographically and perhaps even buying more companies.

“I don’t think you can stop growing,” he says. “And I don’t see a slowdown in sight. But we’re looking for organic growth, maybe by spreading farther east more than we have.”

Whatever growth occurs, O’Keefe doesn’t want it to come at the expense of quality control and customer satisfaction.

“We’re not looking to quickly double or triple in size,” he continues. “If we can grow 10 to 20% a year, that would be sustainable. And we’re always open to more acquisitions if the right opportunities come along.” **P**



## Business-building lessons

Since starting Hurricane Hydrovac in 2015, Shawn O’Keefe says the company he and Max De Angelis co-own has roughly tripled in size.

Getting into the hydroexcavation market before competitors played a big role in that growth. “We also had a solid business plan,” says O’Keefe. “We both ran other businesses before we started this one, so we had experience.”

O’Keefe also notes that he and De Angelis prioritized investing profits back into the company in the form of new equipment. Providing great customer service also was critical.

“We will do anything for customers and we have the experience to do it, too,” he says. “And we’re always available. We answer the phone 24 hours a day — no answering service. And as managers, we’re available 24 hours a day for our customers and our employees.”

The ability to provide a diverse array of services also was key.

“When one market slows down, another seems to pick up,” O’Keefe explains. As an example, when construction-related hydroexcavation work starts winding down as winter comes, scheduled maintenance kicks into gear at industrial plants that shut down for cleaning during the holidays.

It also helps that the hydroexcavation trucks are capable of doing more than just excavating; when it rains a lot and they can’t work on projects, for example, the trucks can be used to clean catch basins or flush sewer lines.



▶ Geffs and Ross excavate around a new home site.



WALEX

INTRODUCING



# PORTA-PAK MAX lavender

The industry's most powerful drop-in deodorizer now available in lavender fragrance. *Pair with Fab Lav & Lavender Urinal Screen.*





**FLOWMARK**  
**VACUUM TRUCKS**  
 VISIT: [FLOWMARK.COM](http://FLOWMARK.COM)

**VACUUM TRUCKS**  
 1,000 - 5,500 GALLONS



**RESTROOM TRUCKS**  
 800 - 2,500 GALLONS

☎ 833.653.8100

✉ [sales@flowmark.com](mailto:sales@flowmark.com)

🌐 [www.flowmark.com](http://www.flowmark.com)

**ABBOTT** TRUBBER  
 COMPANY, INC.  
**THE HOSE &  
 FITTINGS EXPERTS**

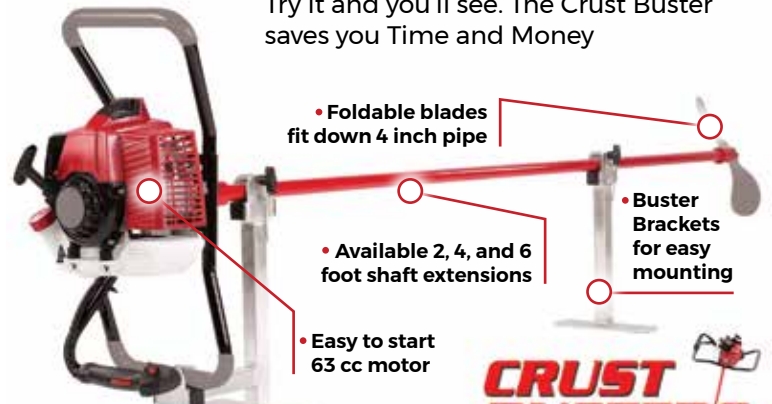


1311 MEACHAM RD., ITASCA, IL. 60143  
 (847) 952-1800 (800) 852-1855 FAX (847) 952-0156  
 E-MAIL [sales@pumperhose.com](mailto:sales@pumperhose.com) WEBSITE [www.pumperhose.com](http://www.pumperhose.com)

**THE SEPTIC TANK  
 AGITATOR**

**IS YOUR BACK TIRED  
 OF BACKFLUSHING?**

We believe agitation save aggravation. Try it and you'll see. The Crust Buster saves you Time and Money



• Foldable blades fit down 4 inch pipe

• Available 2, 4, and 6 foot shaft extensions

• Easy to start 63 cc motor

• Buster Brackets for easy mounting

763-878-2296 | [sales@crustbusters.com](mailto:sales@crustbusters.com)

**CRUST  
 BUSTERS**

Enjoy **FREE SHIPPING** On All Orders! (To lower 48 states)

— Order Online —

**www.CrustBusters.com**





**Team Pink Can Help You**  
**MIND YOUR OWN BUSINESS**

**1-800-NORWECO**







**Kate Zabriskie**  
Contributor

Kate Zabriskie is president of Business Training Works, Inc., a Maryland-based talent development firm. Reach her at [www.businesstrainingworks.com](http://www.businesstrainingworks.com)

# You Had a Training Session and Nobody Learned Anything

Explore these three root causes why training doesn't stick with your crew and make some changes

By Kate Zabriskie

**E**ach year, businesses waste thousands of dollars on training that doesn't deliver expected results. Consequently, many company owners or managers determine that either training has no value to their employees, the training facilitators don't know what they're doing, the program designers are out of touch with reality, or all three.

If only the root causes of training failures were as simple as those. Even with willing learners, great content and strong facilitation, a host of problems could keep you from realizing strong returns on those training investments. If your training isn't delivering what you think it should, you may be suffering from one of three major problems that plague organizations large and small.

## Problem 1: Training isn't part of a larger learning ecosystem

Just because people participate in a workshop, it doesn't mean they will change their behavior back on the job. In fact, even if while in class they demonstrate an ability and willingness to do whatever is being taught, all may be lost once participants exit the classroom.

Why does this happen? Good workshops usually fail to deliver because they are treated as a training solution instead of a component of one. In other words, a workshop isn't the answer in itself; rather, it should be part of a larger apparatus or ecosystem.

### Solution

Creating a strong learning ecosystem is an ongoing and often complex endeavor. It takes time to build a holistic structure that supports continuous development. That said, start small. For example, ask yourself:

- Prior to training, do managers explain to workers why they will attend a course and how they are expected to use what's learned after the session?
- Will someone with authority in your company (other than the facilitator) launch the session by explaining how the workshop ties into the bigger picture?
- Are there check-in opportunities after training to ensure that participants are implementing new behaviors?

If you answer "no" to any of those basics, do what you need to do to shift those answers to "yes."

➤ Regardless of level, every employee should have a development plan and some learning and growth goals that connect to the big picture and enhance their skills.

Next, think about the incentives you can put in place to encourage behavior change and the barriers you need to remove to encourage success, and the corrective action you will take if what's happening in the classroom isn't replicated on the job.

Once you start thinking holistically and view courses and workshops as a component of learning versus learning in its entirety, you will have taken the first step in getting the most out of your training dollars.

## Problem 2: Continuous learning isn't part of the culture, and training isn't treated as a priority

You have great content, you have a skilled facilitator in place, and half the people scheduled to attend the course don't attend because training isn't a priority.

When training occupies a position of "nice to have" and not "need to have," getting the most from it becomes problematic. This most often happens when people are in survival mode instead of on a growth trajectory. In other words, they are scrambling to get through the work instead of thinking mindfully about the work they're completing and how they're completing it.

In practical terms, if people are always putting out fires and don't regularly ask "What have we learned?" and "How can we improve?" why should they care about learning new skills?

### Solution

Shifting from a reactive culture to one that is deliberate about its activities takes months or even years. However, it's not difficult to make big strides over time when you begin by asking the right questions up, down and across your workforce.





# ROBINSON VACUUM TANKS

Call (814) 933-0927, visit [www.RobinsonTanks.com](http://www.RobinsonTanks.com), or email [sales@robinsontanks.com](mailto:sales@robinsontanks.com)

— OFFERING SALES, PARTS & SERVICE —

VISIT OUR WEBSITE TO SEE ALL AVAILABLE INVENTORY

Like Us On Facebook



## PORTABLE RESTROOM TRUCKS

- Tank Sizes from 980 - 2000 Gallons
- Choose from Aluminum or Steel Tanks



## VACUUM TRUCKS

- Tank Sizes from 1200 - 5500 Gallons
- Aluminum Tanks



## SLIDE-IN TANKS

- Tank Sizes from 300 - 1500 Gallons
- Aluminum Tanks
- Flanged/Dished or "Soup Can" Styles

Start the improvement conversation at multiple levels and at different times. Frequently ask, "What have we learned?" "What do we need to do better next time?" "What do we wish we'd known earlier?" and other such questions after projects, meetings, presentations and so forth. In the rare instances when something goes perfectly, remember there are still questions to ask: "How can we replicate what we just did?" "Why did that work well?" "Is there any reason this approach won't work again in the future?" and so on.

When questioning becomes the norm, the solutions offered via training should have stronger importance and value. For example, if turnover is an issue, a learning organization wants to know why and may ask several questions: "Are we hiring the wrong people?" "Are we expecting too much?" "Is there something better for the same money somewhere else?" "Do our managers not manage well?" "Do we need to provide people with better tools?" and so on.

Then, when learning and improvement are a priority, you'll hear such things as, "Today is a training day for me. I'll be unavailable until 4 p.m. If you have an emergency, please see my supervisor Melissa. The workshop I'm attending is of top importance and part of my effort to reduce the turnover."

Who can argue with that? The logic sounds right and ties into big-picture improvement goals.

To get larger returns from training, use questioning to drive improvement. The answers will help people connect the dots and understand why training is a priority and not just something they do because it's on the calendar.

### Problem 3: Few annual development plans exist

The world doesn't stagnate, and your employees shouldn't either. If they're doing their work the same way they were five years ago, and nobody is encouraging or demanding change, why should they care about training or think you care about them?

### Solution

Regardless of level, every employee should have a development plan and some learning and growth goals that connect to the big picture and enhance their skills.

"I want to improve XYZ skill to drive ABC result, and 123 is how I plan to grow," is a quick and easy format to follow when setting development goals and three to five goals is a good number for most people.

Better still, if you can tie those goals to performance reviews, you'll be amazed at the interest people develop in improvement, training and implementing new skills.

As with the other two solutions, start small. If your company, for example, has no development plans, choose one area — such as service technicians — and pilot them.

### Act Now

Whether you suffer from one, two or all three of the problems described, take action now. When thoughtful goals and development plans are put in place for workers, it is almost impossible not to realize a stronger return on your training dollars. **P**

- » New & Used Equipment
- » Digital Editions
- » Free Subscription
- » Online Exclusives
- » E-Alerts

[www.pumper.com](http://www.pumper.com)

# Pumper



**KeeVac**  
Industries  
303-789-9440

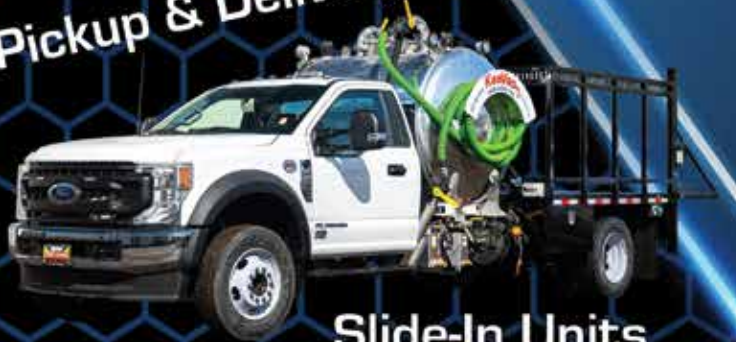
Portable Restroom Trucks



Septic & Grease Trucks



Pickup & Delivery



Slide-In Units

Call Today!



866-789-9440  
www.keevac.com

DON'T DRIP DRY YOUR SLUDGE,  
**DEWATER IT OVERNIGHT!**

Patent #9,828,274



- Dewater Overnight
- Consistent Results
- Low Energy Use
- Self-Cleaning
- All Stainless Steel & PVC Construction
- Roll-Off Frame
- Works Great on Grease
- Very Forgiving
- Amazing Results

**SCAN THE QR CODE TO SEE THE VIDEO!**

➤ Stationary Dewatering Drum >12" Unloading Auger  
See a Video at [ITRDewatering.com/video\\_auger.html](http://ITRDewatering.com/video_auger.html)  
or snap a picture with a smart phone



— Call to schedule an onsite visit. —

If it will Floc,  
it will work.

In the Round Dewatering  
[ITRDewatering.com](http://ITRDewatering.com)  
317-563-2072

Get the **financing**  
you need to  
**grow your business**

NEW AND USED EQUIPMENT

- ❖ Programs offer longer terms for older equipment
- ❖ We do start ups
- ❖ Seasonal Payment Programs Available

.....  
Conserve your working capital. Keep existing credit lines intact, and enjoy the security of knowing financing is there when you need it.  
We offer loan and leasing plans tailored to individual needs.  
.....

**100% FINANCING. NO DOWN PAYMENT.**

If you are having difficulty getting the Credit you need call Jim Thomas.



JIM THOMAS  
SINCE 1997

Toll-Free 877-333-4539  
[JimThomas@KeyCommercial.com](mailto:JimThomas@KeyCommercial.com)

**KEY COMMERCIAL CORP.**  
Commercial Equipment Financing  
 [www.keycommercial.com](http://www.keycommercial.com)

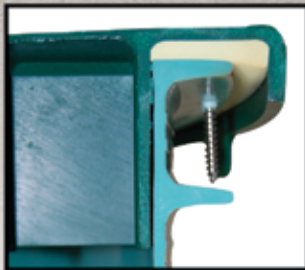
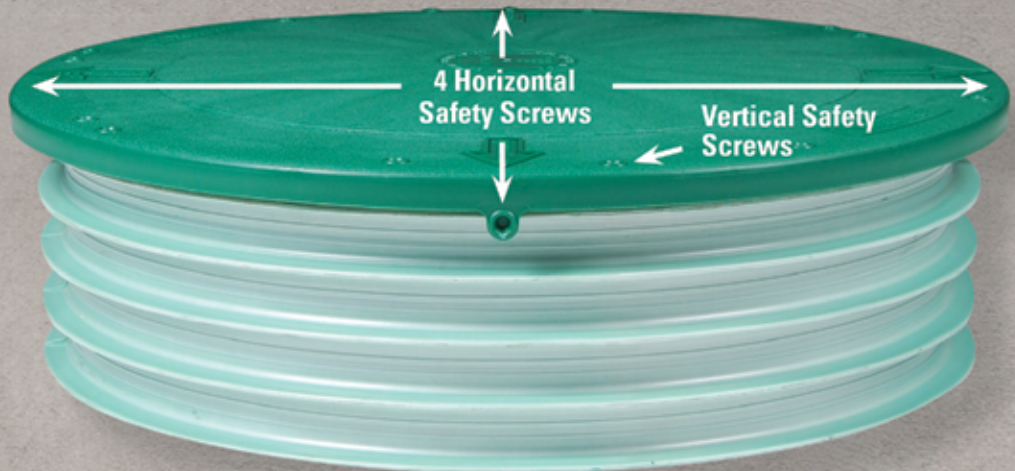


# 24" HEAVY DUTY MULTI-PURPOSE FLAT RISER LID

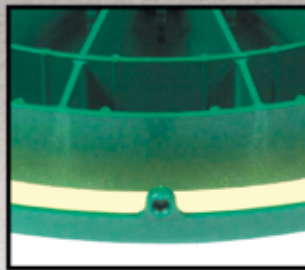
**Fits most commercially available:**

- Risers
- IPEX PVC Ribbed Pipe
- Corrugated Pipe

**LID MAY BE USED WITH OR WITHOUT CONCRETE CENTER**



Secured by 6 Vertical and 4 Horizontal Safety Screws. Screws Included.



Foamed-in Permanent Polyurethane Gasket.



Holds up to 70 lbs of Concrete for Added Safety.



Water-TITE™ Joint Vertical and Horizontal Safety Screws

## 4" Effluent Filter and 4" T-Baffle™

86 ft. of 1/16" filtration area.

Increases time between filter cleaning.



EF-4 Combo Includes Filter, Housing and

4" Sch. 40 & SDR-35

NSF®  
800 GPD ANSISNF Standard 46

NSF®  
COMPONENT ANSISNF Standard 46

EF-4 Combo 18



NSF®  
COMPONENT ANSISNF Standard 46

TB-4-18 Housing 12/carton

SD-4 Gas/Solids Deflector

### 4" Effluent Filter EF-4

One-piece effluent filter fits in 4" Sanitary Tee.

- Injection molded PolyPro
- Simple to install - Easy to clean

### 4" Sanitary Inlet/Outlet T-Baffle™

- Injection molded T-Baffle
- Fits 4" Sch. 40 and SDR-35 pipe
- Simple to install

• May also be used as Inlet & Outlet Tee

## 6" Effluent Filter and 6" T-Baffle™

244 ft. of 1/16" filtration area.

Increases time between filter cleaning.



EF-6 Combo Includes Filter, Housing and Bushing

4" Sch. 40 & SDR-35

NSF®  
1500 GPD ANSISNF Standard 46

NSF®  
COMPONENT ANSISNF Standard 46

TB-6 Housing

Gas/Solids Deflector

### 6" Effluent Filter EF-6

One-piece effluent filter fits in 6" T-Baffle™.

- Injection molded PolyPro
- Simple to install
- Easy to clean

### 6" Sanitary T-Baffle™

- Injection molded
- Fits 4" Sch. 40 and SDR-35 pipe
- Simple to install
- May also be used as Outlet Tee with Solids Deflector





Sara Heger, Ph.D.  
*Contributor*

Sara Heger, Ph.D., is a researcher and instructor with the Onsite Sewage Treatment Program in the Water Resources Center at the University of Minnesota. She is also a certified septic system designer and service provider. Send questions for Sara to editor@pumper.com

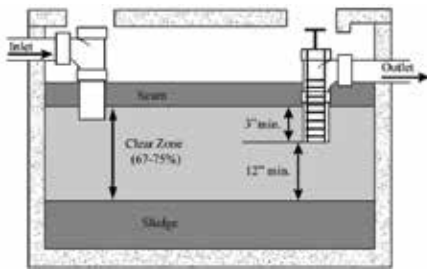
## Measuring Sludge and Scum – It Must Be Done!

Effective core sampling sets the stage for proper septic tank maintenance

By Sara Heger, Ph.D. Photos courtesy of Sara Heger

Some companies and jurisdictions have a maximum time period between septic tank pumping events, but we all know many variables impact the need for this septic service. How frequently a septic tank should be pumped depends upon the septic tank capacity, the number of people using the system and appliances that send waste to the tank, such as a garbage disposal.

Tank capacity and consequently detention time is reduced as solids build up. A tank detention time of less than 24 hours may result in some solids being discharged with the effluent and carried to the advanced pretreatment unit or the soil treatment area. To protect the downstream components, it's necessary to periodically remove accumulated solids in the septic tank.



◀ Note the preferred depth of the layers found in a healthy septic tank.

Proper septic system maintenance is on the rise in the U.S., and this generates more septage. If more than 60 million Americans are regularly pumping their septic tanks, that amounts to a lot of waste collected. While this is occurring, the price for hauling, disposal and treatment of septage is increasing due to growing environmental requirements, fuel and equipment costs, and labor.

### PUMP AS NEEDED

According to the U.S. Environmental Protection Agency, factors that affect the physical characteristics of septage are climate, user habits, septic tank size, system design, pumping frequency, water supply characteristics, piping material, use of water-conservation fixtures, garbage disposals, household chemicals and water softeners. The two most common approaches to disposal of septage are taking it to a wastewater treatment plant for treatment or land applying it as a fertilizer and land conditioner.

Some treatment plants do not have the capacity to accept septage, and those that do have been increasing rates. Septage is typically more concentrated than municipal wastewater. The current challenge for many treatment facilities is to create enough septage disposal capacity to meet more stringent EPA regulations, while not overtaxing their treatment processes. Some plants charge a flat fee per load and a permit fee, while others charge based on actual volume received using flow metering to measure the gallons of each load. Some rates are determined not only by the flow but also the content or source of the septage.

Land application of septage is not allowed in some jurisdictions and is under increasing scrutiny. Application rates depend on the slope, soil type, depth of application, drainage class and hydraulic loading. As more land is developed across the U.S., land application sites are being taken out of production.

All these issues result in an increased cost to pump septic tanks. As an industry, we need to move away from a mandatory time period for septic tank pumping and only clean them as needed. In addition, we need to develop more options to deal with septage, such as regional septage processing facilities that could create compost.

### THE 25% RULE

Although the specific requirements concerning septic pumping vary slightly based on the jurisdiction or system specifics, the general rule of thumb is that a tank should be cleaned if 25% of the initial liquid capacity is occupied by floating and settled solids (for example, 250 gallons in a 1,000-gallon tank). This can be seen in the accompanying diagram.



▲ This core sample shows a tank with substantial sludge buildup requiring a pumping service.





For example, if the sludge is 15 inches and the scum is 2 inches, we have a total of 17 inches and with a liquid depth of the tank of 60 inches we can calculate the percentage of sludge this way:  $(17 \text{ inches} \div 60 \text{ inches}) 100 = 28\%$ . Septic tank needs to be pumped.

It is also true that we do not want sludge or scum accumulating too close to the outlet baffle/screen, so many regulations also state that the bottom of the scum layer should be several inches above the outlet and that the sludge be a foot or more below the outlet. If a pump tank is part of the system, we also want to check accumulations there. Sludge and scum being drawn into the pump can cause issues with the pump and overload downstream components.

This means scum and sludge accumulations should be periodically evaluated. For residential applications without advanced pretreatment, this should be done at a minimum of every two to three years. Even if the septic tank does not need to be pumped at the time of the visit, an overall evaluation of the tank can highlight other issues or repairs needed. These may include leaks at joints or connections, missing baffles or roots that — if left unchecked — could damage the system. Confirming manhole lid safety and integrity is also important.

For commercial systems, the frequency is a little harder to dictate as it will be based on the usage within the facility. However, it typically will range from quarterly to annual.



◀ The inspector shows a Sludge Judge core sample from a tank that does not require pumping.

Pumping too frequently may prohibit development of a normal population of beneficial microbes. From the perspective of system longevity, it may be best to err on the side of pumping too often rather than not enough. However, excessive pumping increases the burden on septage disposal facilities and adds unnecessary cost for the owner. In addition, there is some evidence that when tanks are pumped every year or even more frequently, they sometimes do not develop normal scum and sludge layers.

The recommendation is to make pumping interval decisions based on actual tank conditions observed during your evaluation. **P**

# Tank World Corp

**ALL MAJOR BRANDS IN STOCK  
AND READY TO BUILD**

**TANK WORLD IS WORKING  
HARD FOR YOU!**



**Financing Available**



**We build Vacuum trucks, Septic trucks,  
Porta Potty trucks, and Body swaps.**

We can do Steel, Stainless Steel and Aluminum.

**NOT JUST BUILDING TRUCKS BUT BUILDING RELATIONSHIPS**

**Parts and Accessories In Stock**

ASME & R stamp accredited

UL 142

**[www.tankworldaz.com](http://www.tankworldaz.com)**


12001 W. Peoria Ave  
El Mirage, AZ 85335


Jerry's cell 623-680-2037  
[tank.jerry1@gmail.com](mailto:tank.jerry1@gmail.com)


Office 623-536-1199  
Fax 623-935-4514  
[service@tankworldaz.com](mailto:service@tankworldaz.com)



| Model | Style | Type | Debris Body Capacity (cu. yards) | Debris Door (dimensions) | Debris Door (dump angle) | Water Tank Capacity (gal) | Standard Water Pump (gpm & psi) | Standard Blower (hg & cfm) | Filtration Type |
|-------|-------|------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|----------------------------|-----------------|
|-------|-------|------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|----------------------------|-----------------|

|   |                       |         |       |      |                           |  |       |                     |                     |                          |
|---|-----------------------|---------|-------|------|---------------------------|--|-------|---------------------|---------------------|--------------------------|
|  <p><b>Brandt Truck Rigging &amp; Trailers</b><br/>1806 2 St.<br/>Nisku, AB T9E 0W8<br/>877-955-2770 • 780-955-2770<br/>www.brandt.ca/trucks</p> | <b>HX120 Hydrovac</b> | Chassis | Hydro | 11.6 | Hydraulic Latching System |  | 1,150 | 16 gpm<br>3,000 psi | 28" hg<br>4,000 cfm | Dual cyclone & cartridge |
|---|-----------------------|---------|-------|------|---------------------------|--|-------|---------------------|---------------------|--------------------------|

|   |                               |         |        |        |              |            |             |                                 |                     |          |
|---|-------------------------------|---------|--------|--------|--------------|------------|-------------|---------------------------------|---------------------|----------|
|  <p><b>GapVax Inc.</b><br/>575 Central Ave.<br/>Johnstown, PA 15902<br/>888-442-7829 • 814-535-6766<br/>f: 814-539-3617<br/>www.gapvax.com<br/>Inquiry@gapvax.com</p> <p><b>See Ad - Page 21</b></p> | <b>VHX</b>                    | Chassis | Hydro  | 7.5    | Full opening | 50 degrees | 750         | 13 gpm<br>3,000 psi             | 28" hg<br>4,000 cfm | Wet/dry  |
|   | <b>HV55 HydroVax</b>          | Chassis | Hydro  | 12.5   | Full Opening | 50 degrees | 400 - 1,400 | 5 - 40 gpm<br>2,000 - 5,800 psi | 28" hg<br>5,250 cfm | Wet/dry  |
|   | <b>HV57 Series Air Mover</b>  | Chassis | Air    | 17     | Full Opening | 50 degrees |             |                                 | 28" hg<br>5,200 cfm | Wet/dry  |
|   | <b>MC Series Combo JetVac</b> | Chassis | JetVac | 5 - 13 | Full Opening | 50 degrees | 500 - 2,000 | 80 gpm<br>2,000 psi             | 18" hg<br>4,500 cfm | Wet only |


|  |   |         |       |          |     |            |     |                     |                     |   |
|--|---|---------|-------|----------|-----|------------|-----|---------------------|---------------------|---|
|  <p><b>Guzzler Manufacturing, Inc.</b><br/>1621 S Illinois St.<br/>Streator, IL 61364<br/>815-672-3171<br/>www.guzzler.com<br/>sales@guzzler.com</p> <p><b>See Ad - Page 47</b></p> | <b>Guzzler Guzzcavator</b>                  | Chassis | Hydro | 16 or 18 | 3/4 | 50 degrees | 600 | 10 gpm<br>2,500 psi | 27" hg<br>5,250 cfm | Cyclone and baghouse with 60 70" Dacron filter bags |
|  | <b>Guzzler CLE w/air excavation package</b> | Chassis | Air   | 18       | 3/4 | 50 degrees |     |                     | 27" hg<br>5,250 cfm | Cyclone and baghouse with 60 filter bags            |





| Boom Size (ft.)                                | Degree of Rotation | Offloading Type  | Controls Location   | Wireless Y/N | Vacuum (CFM/PSI)   | Power Source                   | Compressed Air Flow | Compressed Air Pressure | Accessories Available  | Other   |
|--|--------------------|--|---|--------------|--------------------|--------------------------------|---------------------|-------------------------|--|---|
| 28'  | 340                | Hoist, pressure offload, full open rear door, hydraulic vibrator | Control system integrated into truck chassis. Heated operator enclosure | Yes          | 4,000 cfm          | Dual PTO                       |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets | Rear-door safety lock out and hoist lift, Abrasion-resistant, steel plate turret, 100' 3/8", high-temp, electric rewind reel, quiet, compact design & low tare weight, Remote Hose Storage Tray, Landspread, Pressure Offload, High Voltage Proximity Package, Cyclone Quick Clean Out, Rear Signboard, Wash Wand Package, Diesel Coolant Heater System, High Visibility Fluid Level Indicators, Decant Valve Package, Second Wash Reel, Corded Work Light, Quick Attach Life Line Static Reel, Trailing Package, Blower Diesel Flush |
| 22' reach, 15 degrees downward pivot           | 270                | Decant, fully opening tailgate, optional sludge pump             | Curbside  | Yes          | 4,000 cfm          | Chassis / transfer case driven | 200 cfm (optional)  |                         | Winterization<br>Lighting<br>Tool Boxes<br>Cabinets          |   |
| 17' - 25' reach from center of truck           | 270                | Fully open tailgate, decant; optional auger and sludge pump      | Driver's side and curbside  | Yes          | 5,300 cfm / 28" hg | Chassis / transfer case driven | 200 cfm             | 200 psi                 | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets |   |
| Tailgate port-hose; boom optional              |                    | Fully opening tailgate; decant; optional auger and sludge pump   | Driver's side   | Yes          | 5,200 cfm          | Chassis / transfer case driven |                     |                         | Lighting<br>Tool Boxes<br>Racks                              |   |
| 26' reach from center                          | 180                | Full opening tailgate; decant; optional sludge pump              | Front control box near front hose reel                                  | Yes          | 4,500 cfm          | Chassis / transfer case driven |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks             |   |
| 8" diameter                                    | 320                | Dumping, tilting debris body, optional sludge pump               | Curbside  | Yes          |                    | Chassis                        |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets |   |
| Optional fixed, extendable, or telescopic boom | 320                | Dumping, tilting debris body                                     | Curbside  | Yes          |                    | Chassis                        |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets |   |



| Model | Style | Type | Debris Body Capacity (cu. yards) | Debris Door (dimensions) | Debris Door (dump angle) | Water Tank Capacity (gal) | Standard Water Pump (gpm & psi) | Standard Blower (hg & cfm) | Filtration Type |
|-------|-------|------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|----------------------------|-----------------|
|-------|-------|------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|----------------------------|-----------------|

|   |                                 |         |              |    |     |            |       |                     |                     |                                 |
|---|---------------------------------|---------|--------------|----|-----|------------|-------|---------------------|---------------------|---------------------------------|
|  <p><b>Hi-Vac Corporation</b><br/>117 Industry Rd.<br/>Marietta, OH 45750<br/>800-752-2400 • 740-374-2306<br/>www.hi-vac.com<br/>sales@hi-vac.com</p> <p><b>See Ad - Page 13</b></p> | <b>Aquatech Daylighter DL4</b>  | Chassis | Hydro Jetvac | 4  | 67" | 45 degrees | 500   | 6 gpm<br>2,500 psi  | 18" hg<br>3,670 cfm | Cyclone with collection chamber |
|   | <b>Aquatech Daylighter DL10</b> | Chassis | Hydro Jetvac | 10 | 67" | 45 degrees | 1,150 | 20 gpm<br>2,000 psi | 18" hg<br>5,197 cfm | Cyclone with collection chamber |
|   | <b>Aquatech Daylighter DL15</b> | Chassis | Hydro Jetvac | 15 | 67" | 34 degrees | 1,650 | 20 gpm<br>2,000 psi | 18" hg<br>5,197 cfm | Cyclone with collection chamber |
|   | <b>X-Vac X-8</b>                | Chassis | Hydro        | 8  | 67" | 45 degrees | 570   | 20 gpm<br>3,000 psi | 27" hg<br>5,250 cfm | Cyclone with final filter       |
|   | <b>X-Vac X-13</b>               | Chassis | Hydro        | 13 | 67" | 45 degrees | 1,140 | 20 gpm<br>3,000 psi | 27" hg<br>5,775 cfm | Cyclone with final filter       |
|   | <b>X-Vac X-15</b>               | Chassis | Hydro        | 15 | 67" | 34 degrees | 1,650 | 20 gpm<br>3,000 psi | 27" hg<br>5,775 cfm | Cyclone with final filter       |

|   |                            |         |       |    |                            |            |       |   |                             |                                     |
|---|----------------------------|---------|-------|----|----------------------------|------------|-------|---|-----------------------------|-------------------------------------|
|  <p><b>Presvac Systems</b><br/>4131 Morris Dr.<br/>Burlington, ON L7L 5L5<br/>800-387-7763 • 905-637-2353<br/>f: 905-681-0411<br/>www.presvac.com<br/>sales@presvac.com</p> <p><b>See Ad - Page 80</b></p> | <b>Presvac HydroX Mini</b> | Chassis | Hydro | 7  | Full Diameter Full Opening |            | 800   | 18 gpm<br>3,500 psi<br>Adjustable Flow and Pressure | 28" hg<br>2,650 cfm         | Cyclone and inlet filter            |
|   | <b>Presvac HydroX</b>      | Chassis | Hydro | 15 | 78" Full Opening           | 90 degrees | 1,000 | 18 gpm<br>3,500 psi<br>Adjustable Flow and Pressure | 28" hg<br>4,000 - 6,400 cfm | Two large cyclones and inlet filter |


|  |                  |         |                  |    |   |            |       |                     |                     |                       |
|--|------------------|---------|------------------|----|---|------------|-------|---------------------|---------------------|-----------------------|
|  <p><b>Rival Hydrovac Inc.</b><br/>Box 5<br/>Major, SK S0L 2H0<br/>844-467-4825 • 403-550-7997<br/>www.rivalhydrovac.com<br/>tdell@rivalhydrovac.com</p> <p><b>See Ad - Page 69</b></p> | <b>Rival T7</b>  | Chassis | Hydro Air Option | 7  | 54" Full Opening Rear Door<br>Two Stage Hoist | 40 degrees | 800   | 10 gpm<br>3,000 psi | 27" hg<br>2,650 cfm | Cyclone and cartridge |
|  | <b>Rival T10</b> | Chassis | Hydro Air Option | 10 | 54" Full Opening Rear Door<br>Two Stage Hoist | 40 degrees | 1,200 | 10 gpm<br>3,000 psi | 27" hg<br>3,850 cfm | Cyclone and cartridge |




| Boom Size (ft.)      | Degree of Rotation | Offloading Type                               | Controls Location           | Wireless Y/N | Vacuum (CFM/PSI)     | Power Source                | Compressed Air Flow | Compressed Air Pressure | Accessories Available  | Other   |
|----------------------|--------------------|---|-----------------------------|--------------|----------------------|-----------------------------|---------------------|-------------------------|--|---|
| 19'                  | 360                | Tilt  | Cab, passenger side, remote | Yes          | 3,670 cfm / 7.8 psi  | Chassis powerplant          | 200 cfm             | 200 psi                 | Lighting<br>Tool Boxes<br>Racks<br>Cabinets                  | Nozzles & Tubes   |
| 19'                  | 360                | Tilt  | Cab, passenger side, remote | Yes          | 5,197 cfm / 8.8 psi  | Chassis powerplant          | 200 cfm             | 200 psi                 | Lighting<br>Tool Boxes<br>Racks<br>Cabinets                  | Nozzles & Tubes   |
| 23'                  | 360                | Tilt  | Cab, passenger side, remote | Yes          | 5,197 cfm / 8.8 psi  | Chassis powerplant          | 200 cfm             | 200 psi                 | Lighting<br>Tool Boxes<br>Racks<br>Cabinets                  | Nozzles & Tubes   |
| Extends to 19' reach | 360                | Tilt  | Cab, passenger side, remote | Yes          | 5,250 cfm / 13.2 psi | Chassis powerplant          | 200 cfm             | 200 psi                 | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets | Sludge pump, water heater, tank vibrator  |
| Extends to 25' reach | 360                | Tilt  | Cab, passenger side, remote | Yes          | 5,775 cfm / 13.2 psi | Chassis powerplant          | 200 cfm             | 200 psi                 | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets | Sludge pump, water heater, tank vibrator  |
| Extends to 25' reach | 360                | Tilt  | Cab, passenger side, remote | Yes          | 5,775 cfm / 13.2 psi | Chassis powerplant          | 200 cfm             | 200 psi                 | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets | Sludge pump, water heater, tank vibrator  |
| 6" x 20'             | 340                | 45 degree dump and optional pressure off-load | Passenger side              | Yes          | 185 / 150            | Hydraulic                   | 125 – 185           | 100 – 150               | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets | Can be built to DOT/TC Code   |
| 8" x 25'             | 340                | 45 degree dump and optional pressure off-load | Passenger side              | Yes          | 185 / 150            | Hydraulic                   | 125 – 185           | 100 – 150               | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets | Can be built to DOT/TC Code   |
| 6" x 20'             | 342                | Tilt and pressure off                         | Curbside                    | Yes          | 2,650 cfm            | PTO / Hydraulics            | 200 cfm Optional    | 200 psi Optional        | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets | All Accessories are included<br>Weights displayed on Wireless<br>Remote Back Up Cameras<br>Standard Retractable Railing<br>Atop Truck |
| 8" x 25'             | 342                | Tilt and pressure off                         | Curbside                    | Yes          | 3,850 cfm            | Transfer Case or Hydraulics | 200 cfm Optional    | 200 psi Optional        | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets | All Accessories are included<br>Weights displayed on Wireless<br>Remote Back Up Cameras<br>Standard Retractable Railing<br>Atop Truck |



| Model Name | Style | Type | Debris Body Capacity (cu. yards) | Debris Door (dimensions) | Debris Door (dump angle) | Water Tank Capacity (gal) | Standard Water Pump (gpm & psi) | Standard Blower (hg & cfm) | Filtration Type |
|------------|-------|------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|----------------------------|-----------------|
|------------|-------|------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|----------------------------|-----------------|

|   |                                      |         |                   |    |                   |                   |       |                     |  |                       |
|---|--------------------------------------|---------|-------------------|----|-------------------|-------------------|-------|---------------------|--|-----------------------|
|  <b>Super Products®</b><br><b>Super Products LLC</b><br>130 Boxhorn Dr.<br>Mukwonago, WI 53149<br>800-837-9711 • 262-784-7100<br>www.superproducts.com<br>info@superproducts.com | <b>Mud Dog 1600 Vacuum Excavator</b> | Chassis | Hydro, Air Option | 16 | Full Opening Rear | Ejector + 90 Tilt | 2,000 | 18 gpm<br>3,000 psi | 28" hg<br>5,800 cfm                        | Cyclone and cartridge |
|   | <b>Mud Dog 1200 Vacuum Excavator</b> | Chassis | Hydro, Air Option | 12 | Full Opening Rear | Ejector + 90 Tilt | 1,500 | 18 gpm<br>3,000 psi | 28" hg<br>5,800 cfm                        | Cyclone and cartridge |
|   | <b>Mud Dog 700 Vacuum Excavator</b>  | Chassis | Hydro, Air Option | 7  | Full Opening Rear | 50                | 600   | 11 gpm<br>3,000 psi | 18" hg<br>3,100 cfm or<br>27" hg 3,700 cfm | Cyclone and cartridge |

|   |                       |         |             |    |                               |  |       |                     |                     |                                   |
|---|-----------------------|---------|-------------|----|-------------------------------|--|-------|---------------------|---------------------|-----------------------------------|
| <b>Transway Systems Inc.</b><br>314 Lake Ave. N<br>Hamilton, ON L8E 3A2<br>800-263-4508 • 905-578-1000<br>f: 905-561-9176<br>www.transwaysystems.com<br>sales@transwaysystems.com | <b>Terra-Vex HV50</b> | Chassis | Hydro & Air | 12 | Hydraulic Full Open Rear Door |  | 1,000 | 10 gpm<br>3,000 psi | 27" hg<br>5,000 cfm | Cyclone with washable poly filter |
|   | <b>Terra-Vex HV64</b> | Chassis | Hydro & Air | 12 | Hydraulic Full Open Rear Door |  | 1,000 | 10 gpm<br>3,600 psi | 27" hg<br>6,400 cfm | Cyclone with washable poly filter |


|  |                 |         |             |              |     |            |                      |                           |   |  |
|--|-----------------|---------|-------------|--------------|-----|------------|----------------------|---------------------------|---|--|
|  <b>TRUVAC</b><br><b>TRUVAC</b><br>1621 S Illinois St.<br>Streator, IL 61364<br>815-672-3171<br>www.truvac.com<br>sales@truvac.com<br><b>See Ad - Page 43</b> | <b>TRXX</b>     | Trailer | Hydro       | 2.48 or 3.96 | 3/4 | 50 degrees | 200 or 400           | 5 gpm @<br>3,000 psi      | 15" hg<br>1,000 cfm                                       | 5 micron final filter                                      |
|  | <b>Paradigm</b> | Chassis | Air & Hydro | 3.34         | 3/4 | 50 degrees | 300<br>Air only: 100 | 8 gpm<br>2,500 psi        | 15" hg<br>2,200 cfm                                       | Dual cyclone and 5 micron polyester final filter           |
|  | <b>FLXX</b>     | Chassis | Hydro       | 10           | 3/4 | 50 degrees | 800                  | 10 gpm<br>3,000 psi       | 16" hg<br>3,200 cfm                                       | Dual cyclone and 5 micron polyester final filter           |
|  | <b>HXX</b>      | Chassis | Hydro       | 12 or 15     | 3/4 | 50 degrees | 1,200                | 10 or 20 gpm<br>3,000 psi | 18" hg/4,970 cfm<br>28" hg/5,200 cfm<br>28" hg/ 6,176 cfm | Single or dual cyclone and 5 micron polyester final filter |
|  | <b>APXX</b>     | Chassis | Hydro       | 12 or 14     | 3/4 | 50 degrees | 1,200                | 10 gpm<br>3,000 psi       | 27" hg<br>5,250 cfm                                       | Dual cyclone and 5 micron polyester final filter           |




| Boom Size (ft.)       | Degree of Rotation | Offloading Type                            | Controls Location | Wireless Y/N | Vacuum (CFM/PSI)                           | Power Source                     | Compressed Air Flow | Compressed Air Pressure | Accessories Available   | Other   |
|-----------------------|--------------------|--|-------------------|--------------|--|----------------------------------|---------------------|-------------------------|---|---|
| 8" x 19 - 27'         | 330                | Eject unloading                            | Dog House         | Yes          | 28" hg<br>5,800 cfm                        | Truck engine PTO / transfer case | 185 cfm             | 100 - 175 psi           | Winterization<br>Lighting<br>Tool Boxes                                       | Walk-in cabinet<br>700k BTU heater  |
| 8" x 19 - 27'         | 330                | Eject unloading                            | Dog House         | Yes          | 28" hg<br>5,800 cfm                        | Truck engine PTO / transfer case | 185 cfm             | 100 - 175 psi           | Winterization<br>Lighting<br>Tool Boxes                                       | Walk-in cabinet<br>700k BTU heater  |
| 8" x 18'              | 270                | Dump unloading                             | Cabinet           | Yes          | 18" hg<br>3,100 cfm or 27" hg<br>3,700 cfm | Truck engine PTO / transfer case | 185 cfm             | 100 - 175 psi           | Winterization<br>Lighting<br>Tool Boxes                                       |   |
| 8" x 26'              | 320                | Telescopic hoist and optional pressure off | Curbside          | Yes          |  | Transfer case                    | 180 cfm             | 150 psi                 | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets<br>Roll Up Doors | Full insulated enclosure for blower and water system, transfer case drive |
| 8" x 26'              | 320                | Telescopic hoist and optional pressure off | Curbside          | Yes          |  | Transfer case                    | 180 cfm             | 150 psi                 | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets<br>Roll Up Doors | Full insulated enclosure for blower and water system, transfer case drive |
| 4" diameter<br>16.25' | 170                | Dumping, tilting debris body               | Curbside          | Yes          |  | Aux                              |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets                  |   |
| 6" diameter<br>17'    | 195                | Dumping, tilting debris body               | Curbside          | Yes          | 185 cfm/150 psi<br>or<br>300 cfm/250 psi   | Chassis                          |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets                  |   |
| 6" diameter<br>22'    | 340                | Dumping, tilting debris body               | Curbside          | Yes          | 185 cfm/150 psi                            | Chassis                          |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets                  | Air Excavation package,<br>Hydraulic Tool Package                         |
| 8" diameter<br>22'    | 320                | Dumping, tilting debris body               | Curbside          | Yes          | 185 cfm/150 psi<br>or<br>300 cfm/250 psi   | Chassis                          |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets                  | Air Excavation package,<br>Hydraulic Tool Package                         |
| 8" diameter<br>24.5'  | 320                | Dumping, tilting debris body               | Curbside          | Yes          | 185 cfm/150 psi<br>or<br>300 cfm/250 psi   | Chassis                          |                     |                         | Winterization<br>Lighting<br>Tool Boxes<br>Racks<br>Cabinets                  | Air Excavation package,<br>Hydraulic Tool Package                         |



| Model | Style | Type | Debris Body Capacity (cu. yards) | Debris Door (dimensions) | Debris Door (dump angle) | Water Tank Capacity (gal) | Standard Water Pump (gpm & psi) | Standard Blower (hg & cfm) | Filtration Type |
|-------|-------|------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|----------------------------|-----------------|
|-------|-------|------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|----------------------------|-----------------|

|   |                          |         |       |              |                      |                      |             |            |                                   |  |
|---|--------------------------|---------|-------|--------------|----------------------|----------------------|-------------|------------|-----------------------------------|--|
|  <p><b>Vac-Con, Inc.</b><br/>           969 Hall Park Rd.<br/>           Green Cove Springs, FL 32043<br/>           904-284-4200<br/>           www.vac-con.com<br/>           info@vac-con.com</p> | <b>Mudslinger MS800</b>  | Trailer | Hydro | 4            |                      | 55 degree dump angle | 325         | 4 @ 4,000  | 16" hg<br>990 cfm or<br>1,190 cfm | Dry filter package                                       |
|   | <b>Mudslinger MST800</b> | Chassis | Hydro | 4            |                      | 55 degree dump angle | 325         | 4 @ 4,000  | 16" hg<br>990 cfm or<br>1,190 cfm | Dry filter package                                       |
|   | <b>Mudslinger MXT</b>    | Chassis | Hydro | 3 - 16       |                      | 50 degree dump angle | 800 - 1,300 | 11 @ 2,200 | 200" H2O<br>8,000 cfm             | Single stage separator                                   |
|   | <b>X-Cavator CXT</b>     | Chassis | Hydro | 9, 11 and 12 | Flat-style rear door | 50 degree dump angle | 800 - 1,300 | 20 @ 4,000 | 200" H2O<br>8,000 cfm             | Dual cyclone   |
|   | <b>X-Cavator EXT</b>     | Chassis | Hydro | 12           |                      | 50 degree dump angle | 1,500       | 20 @ 4,000 | 28" hg<br>6,176 cfm               | Cyclone separator;<br>26" pleated cartridge final filter |

|  |              |         |       |        |                        |                      |               |                             |                     |   |
|--|--------------|---------|-------|--------|------------------------|----------------------|---------------|-----------------------------|---------------------|---|
|  <p><b>Vactor Manufacturing</b><br/>           1621 S Illinois St.<br/>           Streator, IL 61364<br/>           815-672-3171<br/>           www.vactor.com<br/>           sales@vactor.com<br/> <b>See Ad - Page 45</b></p> | <b>2100i</b> | Chassis | Hydro | 5 - 15 | Hydraulically operated | 50 degree dump angle | 1,000 - 1,500 | 60 - 100 @<br>2,000 - 3,000 | 18" hg<br>3,500 cfm | Centrifugal separators / micro strainer |
|--|--------------|---------|-------|--------|------------------------|----------------------|---------------|-----------------------------|---------------------|---|



| Boom Size (ft.)                     | Degree of Rotation                   | Offloading Type  | Controls Location                  | Wireless Y/N | Vacuum (CFM/PSI) | Power Source   | Compressed Air Flow | Compressed Air Pressure | Accessories Available                            | Other   |
|-------------------------------------|--------------------------------------|--|------------------------------------|--------------|------------------|--|---------------------|-------------------------|--|---|
| 9' boom with 16' x 4" boom hose     | 270                                  | Full open hydraulic dump door and hydraulic dump hoist | Passenger side                     | Yes          | 990 or 1,190     | 49, 74 or 114 hp Kubota diesel engine                        |                     |                         | Winterization Lighting Tool Boxes Racks          |   |
| 9' boom with 16' x 4" boom hose     | 270                                  | Full open hydraulic dump door and hydraulic dump hoist | Passenger side                     | Yes          | 990 or 1,190     | 49, 74 or 114 hp Kubota diesel engine                        |                     |                         | Winterization Lighting Tool Boxes Racks          |   |
| 6' boom with 8" vacuum intake hose  | 270                                  | Full open rear door                                    | Passenger side                     | Yes          |                  | Hydrostatic Drive; Vac-Con 3-stage fan; PD blowers available |                     |                         | Winterization Lighting Tool Boxes Racks          |   |
| 10' boom with 8" vacuum intake hose | 270                                  | Hydraulically-driven scissor lift                      | Passenger side - centrally located | Yes          | 5,775 cfm        | Hydrostatic Drive; PD blowers or 3-stage fan                 |                     |                         | Winterization Lighting Tool Boxes Racks Cabinets |   |
| 7' boom with 26' reach              | 310 horizontally, +45/-22 vertically | Hydraulic scissor lift                                 | Passenger side                     | Yes          |                  | Transfer case; PD Blower                                     |                     |                         | Winterization Lighting Tool Boxes Racks Cabinets | Operator enclosure, heat or AC climate controls |

|                |     |      |                                     |     |       |                   |           |  |  |  |
|----------------|-----|------|-------------------------------------|-----|-------|-------------------|-----------|--|--|--|
| 10' telescopic | 180 | Dump | In-cab / Front hose reel / Mid-ship | Yes | 18 hg | Roots / PD Blower | 3,500 cfm |  | Winterization Lighting Tool Boxes Racks Cabinets |  |
|----------------|-----|------|-------------------------------------|-----|-------|-------------------|-----------|--|--|--|

DEDICATED TO THE LIQUID WASTE INDUSTRY

WWW.PUMPER.COM





**2023 T880 Kenworth Decant** | (200/4000/1400) NVE 4310, CAT jetter package  
**CALL FOR PRICING**



**2015 International 4300** | ISB250/250HP Cummins, Allison 2500 RDS, 12/21, 2,650 gallon aluminum tank, NVE 607 package



**2023 Kenworth T880 GREASE TRUCK** | 20/20/46, Ultra-Shift, NVE 4310, CAT 660 jetter package, LED lights, LED strobes, 4-camera package, NAV system, alum. tank  
**CALL FOR PRICING**

**Pumps For Sale**

NVE 866, 4307 and 4310 Slim Packages Available



**NVE**  
NEW ENGLAND  
DISTRIBUTOR



**7000 - 9000 Gal. Aluminum Tri-Axle Trailers** | Air ride suspension (tri-axle), pump platform, bright finish, LED lights, Betts valves.



**2023 Freightliner GREASE TRUCK** | NVE 607, Heated ProVac cabinet, 950 SS tank NON-CDL



**Used 2021 T370 Kenworth GREASE TRUCK**

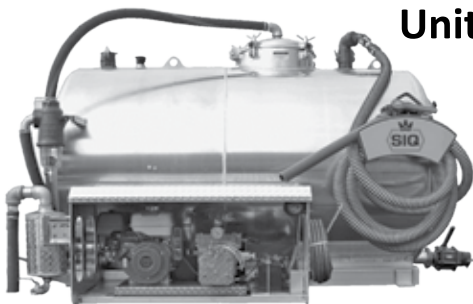
300 HP, Allison Auto, 33,000 (G.V.W.R.)  
1800 gallon stainless steel (ITI) tank,  
NVE 607 ProMax package, heat collars (heat through tank),  
heated cabinet for ProVac unit w/hydraulic lift,  
Hannay hose reel w/100' 2" hose in heated cabinet.



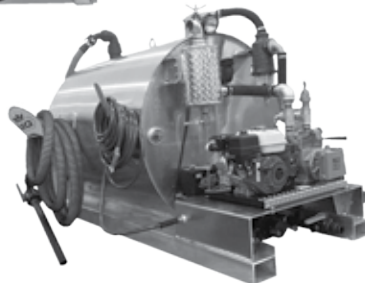
**Need Equipment? Contact Us We Can Get It.**



**SLIDE IN QUEEN**  
TANK SUPPLY CO.



Units In Stock  
**READY TO SHIP**



**Slide In Units**

300-1500 Gallons  
Single or Dual Compartment  
Variety of Pump Options



Website: [www.slideinqueen.com](http://www.slideinqueen.com)  
Phone Number: 833-4-SLIDEIN (475-4334)

**SOFTWARE FOR YOUR INDUSTRY**

**Unparalleled Customer Support!**

No run-around  
Support that continues after the sale  
We build relationships that last  
**Your success is our success!**

- Route Management...*Now with Smart Mapping*
- Dispatching • Mobility • Proof of Service
- Service Reminders • Billing and Receivables
  - Inventory Management
  - QuickBooks® compatible



**Summit**  
array



Ritam Technologies, LLC  
USA/Canada 800-662-8471  
Int'l 925-478-2730  
info@ritam.com www.ritam.com

Watch demos OR  
call for a live demo





A coiled yellow flexible hose with a black connector at the end.

**Tiger  
Tail  
Flex**

A coiled red flexible hose with a black connector at the end.

**Grease  
Flex HD**  
*for heavier grease  
applications*

A coiled grey flexible hose with a black connector at the end.

**Arctic  
Flex**

A coiled black flexible hose with a black connector at the end.

**Grease  
Flex**

A coiled clear flexible hose with a black connector at the end.

**Clear  
Flex**

A coiled black flexible hose with a black connector at the end.

**Tuff  
Flex**

# FLEXIBLE

## **TOILETS, TANKS & TRAPS- WE'VE GOT YOU COVERED!**

**IF IT'S IMPORTANT TO YOU - IT'S IMPORTANT TO US.**

Introducing our new line of flexible hoses for most applications- now made in 2" & 3" sizes for Portable Toilets AND Septic Tanks AND Grease Traps. Tried and tested with a 6 month warranty per application- confirm your application to check warranty.

**VARCOHYDRO.COM • TOLL FREE 866-872-1224 • VARCOSUPPLY.COM**

**SOURCE KEY 9P23**







# You Know What They Say About Death and Taxes?

Start succession planning now to protect your assets and ensure heirs know the road ahead for your small business

By Joan Koehne

**E**ven on Day 1 of a new business, it's important to start planning for the future.

"You need some sort of backup plan for 'just in case,' because 'just in case' doesn't wait for a convenient day to happen," says Devin Shanley, attorney for Peterson, Berk & Cross in Green Bay, Wisconsin.

Shanley encourages business owners to create clear-cut plans describing what happens if they die or become incapacitated. These estate and succession plans should be in place years before they will likely be needed. By adequately planning before their death, owners ensure their family business will be preserved in the manner they want. Additionally, careful planning protects them and their company from unexpected, potentially large tax liabilities. Lastly, advanced planning ensures that a company can continue operations, even after an unexpected death.

Successful entrepreneurs need to remember that, like their homes and retirement accounts, their business is an asset.

"They might think of it as a job or an extension of themselves," Shanley says. "They should consider how they want to pass along this asset — or break it apart after their death."

## Trusts and wills

A good place to start is understanding your organization's size and structure. "Be aware of what sort of business you have," Shanley says.

How big is the company? How much is the owner involved? What is the ownership structure? Is the owner a sole proprietor, partner, member of an LLC, or stock owner in a corporation?

Once owners understand the key elements of their business, they can take the next steps. One of these steps is to ensure someone can act on their behalf and continue business operations if they die or become incapacitated. Most likely, business owners grant this authority as part of a revocable living trust, an estate planning tool that determines how

assets are handled after death. Compared to a will, a trust has several advantages. Trusts provide more depth than wills and are more fluid as circumstances change. Additionally, trusts are more private.

"Wills are public documents. If you want to announce to everyone in the world how your business is being broken down, then write a will," Shanley says.

Many trusts are effective immediately when signed and funded. These are often referred to as living trusts because they are in effect while the person who created the trust is alive, and the same trust continues to be effective after that person dies.

"A will, on the other hand, is a document of the dead," Shanley says. "It is a document that only has power and relevance when the drafter of the document has died and a court of law verifies that it is, in fact, the last will and testament of the drafter."

This doesn't mean all trusts will be in effect immediately or that trusts that would wait until death would go into effect quicker than a will. Both wills and trusts wait until death to become active, and therefore, someone will need to prove that the death has occurred.

"Generally speaking, using some form of trust mechanism is going to allow for more responsive authority transfer if you have a business that relies on a sole owner," Shanley says.

Additionally, there may be benefits to workflow in having the business in a trust versus a will. A trust can often transition

administration to a trustee quickly after the death of the previous trustee, usually the business owner. A will, on the other hand, will need to be verified by a court, which may take longer to complete.

Shanley offers two items to consider for business owners with a will.

"Make sure your personal representative knows where your will is in order to move as quickly as possible, and be mindful of who the personal representative is because that individual will have the authority to run your business," he says.

“Take a moment to form that initial plan, and find an adviser that you trust. Inform them of your values and general desires, so that the adviser can ask questions and provide depth and sophistication.”

— Devin Shanley

(continued)



**PEAK PERFORMANCE.  
PEAK PRODUCTIVITY.  
PEAK PAYLOAD.**

TRUVAC APXX™ is the peak performer of heavy-duty vacuum excavators. Built to operate in the most rugged climates and environments, it reaches new heights by delivering a combination of standard features that make this machine rise to a class of its own. Manufactured by Vactor® Mfg., LLC, with a variety of training, service and support options available.

**TRUVAC.COM**



**LEARN  
MORE  
TODAY**





With a trust, business owners can select individuals as standby trustees, granting them the authority to finalize the company's sale or transfer. Using a trust to manage property helps to ensure the business hand-off goes smoothly.

"If the buyer is someone in the family, that's wonderful. If it's a key employee, then you have to start thinking about how to keep that key employee, especially in today's labor market," Shanley says.

If the business will be sold to an employee, Shanley suggests drafting legal documents to lock in the employee and start transferring the business to him or her.

**Family ties**

Business owners often work their whole lives to build their companies and they want the organization to stay in the family. If this is the case, they should craft a succession plan for a smooth transition to the next owner in the family.

But what about heirs outside of the family business? Sibling squabbles over the family inheritance happen everywhere. These squabbles can multiply when a family business is part of the estate.

Business owners can preserve sibling harmony — or at the very least, minimize bad feelings — with fully developed estate and business succession plans. These plans outline two important outcomes. The first is how to pass business assets and leadership to the next family member in line in order to maintain continuous operations. The second is how to fairly distribute assets among the heirs who won't be part of the business moving forward.

The fair distribution of assets among the heirs can be accomplished in a number of ways. One relative might buy out another, or relatives not associated with the family business can be named beneficiaries of a life insurance policy.

"It depends on the goals of the business owner — what's important to them," Shanley says.

Owners might want as little family friction as possible, so their estate and succession plans need to be crafted for a harmonious outcome. Perhaps no one in the family wants to take over the business. Then the best strategy might be selling the whole business and dividing the proceeds equally among the heirs.

"That can be a very viable succession plan," Shanley says.

**Expert advice**

However, a small mom and pop business, where the owner does most of the work, probably isn't salable because the key employee is the owner. Still, the business owner's estate plan will reflect his or her wishes regarding the sale or distribution of equipment, facilities and other assets.

"Because you have so many options and so many goals, every estate and succession plan is its unique thing," Shanley says.

He recommends talking with an attorney instead of relying on legal advice from the internet to develop personalized strategies.

"You're going to want a knowledgeable adviser to help you through that process," he says.

People tend to think that they need a certain amount of money to benefit from talking to a lawyer about an estate plan, but Shanley disagrees. "Everyone should do that. But the more money you have, the more the need increases," he says.

A multi-million-dollar business has complex issues involving spouses, heirs and estate taxes. "You're going to need a sophisticated plan to reflect these sophisticated needs," Shanley says.

Estate tax and gift tax laws are complicated and subject to change, so expert advice is critical. The Tax Cuts and Jobs Act is a good example. Business owners who have close to \$5 million or more in assets should be aware of the potential for the Tax Cuts and Jobs Act to sunset in 2025. Enacted in 2017, the legislation allows a person to avoid paying federal estate tax on up to \$10 million in assets, adjusted for inflation and doubled to \$20 million if the person is married. If Congress doesn't act on this legislation before it expires at the end of 2025, the federal estate tax exemption reverts to \$5 million in total assets per person, adjusted for inflation.

Business owners who are at the \$5 million value for a taxable estate may want to take advantage of current tax laws to transition out of the business — or at least be aware of the estate tax exemption as 2025 approaches.

Shanley urges business owners to thoughtfully determine what they envision for the future of their business.

"Take a moment to form that initial plan, and find an adviser that you trust. Inform them of your values and general desires, so that the adviser can ask questions and provide depth and sophistication," he says. "What are your values, and how do you want people to benefit? You need to have the big picture drive the little picture." **P**

**DEWATERING**

Dewatering Unit • Polymer Injection • Sludge Pump  
Hoses • Working Platform • Polymer Sales and Testing

- » Pass the paint filter test in 24 hours
- » No waiting, Equipment is in stock
- » Visitors welcome at our dewatering facilities

**Debris Screener**

*We do one thing to perfection — Dewater Liquid Waste!*

**AQUA-Zyme Disposal Systems**

Call us at (979) 245-5656  
zymme@aqua-zyme.com  
www.aqua-zyme.com

**FINANCING AVAILABLE**

**HAVE SOMETHING TO SAY?**

To share your opinions about *Pumper* articles just send an e-mail to our editor at: [editor@pumper.com](mailto:editor@pumper.com)



IntuiTouch 

## Vactor 2100i Combination Sewer Cleaner

# EASY DOES IT

**intuitive. intelligent. innovative.**

Your toughest sewer-cleaning jobs just got easier, faster and safer. The Vactor 2100i is an operator's dream, with **IntuiTouch**<sup>®</sup> in-cab controls for all operational systems and for the fully integrated front hose reel station. Industry-leading innovations and features include:

- **Modul-Flex**<sup>®</sup> design to customize your ideal machine
- **IntuiTouch**<sup>®</sup> controls for precision, comfort and safety
- Safety interlocks, non-destructive e-stops and boom alarms
- Convenient mid-ship water valve control station
- Pump and blower configurations for your exact needs
- Performance-driven options and upgrades available
- Backed by service excellence and the support of the industry's strongest dealer network.

All this power, control and ease of operation is backed by our commitment to keep you up and running with operator training and Vactor's unmatched service and support.

**VACTOR**  
**2100i**<sup>®</sup>



Visit [Vactor.com/2100i](https://www.vactor.com/2100i) to learn more.





# R. A. Ross N.E. Inc.



Industrial & Trucking Blowers – Vacuum Pumps – Sales, Service & Installation

We offer a full staff to accommodate your needs to include:  
Sales, Service, Repair, and Installation shop capable of servicing and repairing  
a wide variety of different make and model blowers and pumps from all your top manufactures.  
**!!! CALL FOR YOUR FREE QUOTE !!!**

PTO'S  
VALVES  
GAUGES  
BLOWERS  
SILENCERS  
CAMLOCKS  
HYDRAULICS  
COMPRESSORS  
VACUUM PUMPS

**CUSTOM BLOWER PACKAGES**  
GAS, DIESEL, & ELECTRIC DRIVE



10280 Brecksville Rd., Brecksville, Oh 44131 – P (800) 678-4581 – F (440) 546-1188 – Web Site [www.rarossne.com](http://www.rarossne.com)

## CrewPlex<sup>®</sup> HSDR10

### ALL-IN-ONE WIRELESS HEADSET

**NEW!**



**THE LIGHTEST, BEST-FITTING ALL-IN-ONE HEADSET ON THE MARKET**



**MIX AND MATCH WITH TRADITIONAL CREWPLEX BELTPACK/HEADSETS**



**SUPERIOR SOUND QUALITY**



**NO SETUP REQUIRED**  
Just Power On and Go!



**NO CORD**



**SMARTBOOM<sup>®</sup> ON/OFF OPERATION**



**MAXIMIZE EFFICIENCY | IMPROVE SAFETY | BOOST PROFITABILITY**



Call or visit **CREWPLEX.COM** to learn more.



+1.334.321.1400  
[sales@crewplex.com](mailto:sales@crewplex.com)  
[www.crewplex.com](http://www.crewplex.com)



# Tackling the Toughest Jobs On Earth



Guzzler is the world leader in industrial vacuum loaders and equipment, and our equipment is hard at work in the world's most punishing applications. Our trucks are designed to vacuum everything from solids and dry bulk powders to liquids, slurries, and thick sludge, offering the widest range of offloading options available.

Our mission has remained the same for over four decades, a dedication to quality, durability, and value, all while working to create a cleaner environment and supporting the individuals who own and operate our machinery.



GUZZLER.COM   





# Vacuum Excavation and Industrial Jet/Vac Services

By Craig Mandli

## BLOWER



### National Vacuum Equipment Challenger 1600

The **Challenger 1600** from **National Vacuum Equipment** is a 1,600 cfm tri-lobe blower designed for continuous duty at maximum vacuum. Rotors are designed to improve vacuum efficiency and reduce mechanical noise. The blower has a ballast air-cooling design and typical maximum vacuum of 27 inches Hg. **800-253-5500; www.natvac.com**

## HOSE REELS

### COXREELS 1125 Series

The **1125 Series** from **COXREELS** is available with two upgraded swivel options. The medium-pressure (up to 4,000 psi) and high-pressure (up to 5,000 psi) can be factory installed. The medium-pressure swivel is precision-machined from solid brass and features upgraded wall thickness, as well as upgraded seals and backup rings. The high-pressure swivel is machined from high-strength steel and nickel plated for corrosion resistance. This ball bearing swivel features maximum flow and enhanced load-bearing capabilities. **800-269-7335; www.coxreels.com**



### Hannay Reels 6200 Power Rewind Reel

The **6200 Power Rewind Reel** from **Hannay Reels** is designed for rigorous waterjetting and blasting applications. With heavy-duty steel construction, strong spool, sturdy frame and hydraulic motor, it offers hose expansion control for I.D. hose widths between 3/4- and 1-inch. Up to 500 feet of hose is supported at 3,000 psi, making it suitable for large

jobs. The A-assembly roller on the front of the frame allows for proper storage and easy dispensing on truck or trailer mounts. Optional upgrades include 5,000 psi working pressure, roller assembly, direct drive hydraulic motor rewind and a hose package, allowing for a wide range of customization. **518-797-3791; www.hannay.com**

## HYDROEXCAVATION TOOLS

### Hydra-Flex Ripsaw HD

The **Ripsaw HD** from **Hydra-Flex** is built for the rugged hydroexcavation industry. A cone-shaped flow pattern is suitable for potholing. The nozzle's 0-degree stream rotates at an 18-degree cone of coverage, increasing impingement to dig faster and use less water. A slower stream rotation increases digging power, improves control and reduces the nozzle's wear and tear to lengthen its life. It is built with heavy-duty coating, stainless steel housing and tungsten carbide wear surfaces to handle frost, shale and rocky soil. Its coating is nonconductive, providing extra safety for users and utilities. It is designed to be repairable with repair kits to extend the nozzle's life. **952-808-3640; www.hydraflexinc.com**



### Pressure Lift HydraBore

The **HydraBore** from **Pressure Lift** can blast down and physically remove built up tallow, soap residue and tank waste. Best used with a jetter, it will only add roughly 16 gallons of high-pressure water in a 10-minute period. Total time on a job, with a unit pumping approximately 2,000 gallons of waste, is less than 20 minutes at depths of 5 to 500 feet. It also minimizes cleanup because the water jets are directed toward the area to be excavated. It only requires one person to operate the boom, as the unit automatically directs the water where it's needed for the project because it is connected to the pump boom. **866-504-6596; www.pressurelift.com**



### RNV Hydrovac2

The **RNV Hydrovac2** unit can be placed on an RNV-approved 6-cubic-foot steel construction-grade wheelbarrow to create a powerful portable hydrovac. It can vacuum down vertically to 12 feet to convey effluent sludge, sand and small aggregate. It can be combined with a pressure washer or air spade for another excavation solution. The unit weighs 42 pounds, requires a 120-volt AC 15-amp power outlet and will run on a 2,200-watt generator or inverter. **607-786-2139; www.rnvac.com**



### TRUVAC Abrasion Resistant Elbow

The **Abrasion Resistant Elbow** from **TRUVAC** is a 70-degree boom elbow developed for demanding vacuum excavation jobs. Embedded with non-corroding carbide steel, the interior of the elbow is engineered for maximum wear resistance. It is retrofittable to all full-sized TRUVAC HXX vacuum excavator models with an 8-inch telescopic boom. **815-672-3171; www.truvac.com**

**Pumper**

Check out more manufacturers and dealers at:

**pumper.com**

## Vector dig tube with measuring rule

**Vector** offers an easy-to-read dig tube with integrated measuring rule for all 6- or 8-inch-diameter dig tubes. This high-visibility ruler was developed with input from customers to maximize productivity. Laser-cut from lightweight aluminum, the dig tube with measuring rule features numbers that will stand out under all conditions, never wear off and come clean with a quick rinse to remove mud. **815-672-3171; www.vector.com**



## HYDROEXCAVATION UNITS



### GapVax VHX Series

The **GapVax VHX Series** hydrovac is designed for optimal weight distribution, improved safety features and improved performance. The debris body is 7.5 cubic yards, offering a 15,000-pound payload.

The low profile (12 feet, 2 inches) makes it

suitable for all-around hydroexcavation projects. The vacuum system with single mode wet/dry filtration is quiet, reliable and simple, according to the maker. It includes a 4,000 cfm positive displacement blower, 600 hp transfer case with air-shift engagement and ultra-quiet air injection, and discharge silencers. This filtration design includes a top-loading debris tank, 14-inch stainless steel float-ball shut-off, efficient centrifugal cyclone separators and long-lasting filter bags. It is equipped with a 12 gpm, 3,000 psi water system with optional 200-cfm air compressor system. A full-tilting debris body, over 45-degree dump angle and full-opening tailgate promote fast unloading and easy clean out. The 8-inch telescoping VHX boom offers a 22-foot reach with 15-degree downward pivot. **888-442-7829; www.gapvax.com**

## HotJet USA Vac'n Jet Series

The **HotJet USA Vac'n Jet Series** of vacuum trailer jetters are compact and engineered to haul the equipment and spoils, and to clean valve boxes, storm drains, perform hydroexcavation and/or clean drain/sewer lines. They feature hot and/or cold water operation with a choice of engine options ranging from 23 to 70 hp and gas or diesel operation. They are equipped with premium triplex pumps, a 500-gallon spoils tank, up to 440-gallon water tanks, Gardner/Denver vac/blowers, a 4-ton hydraulic dump and a dual filter centri-clean filter system. They can also be custom-engineered and designed to meet specifications. **800-624-8186; www.hotjetusa.com**



### Rival Hydrovac T7 Tandem and T10

The **T7 Tandem** from **Rival Hydrovac** was designed primarily to be loaded with debris and drive within legislated road

limits with most types of debris on board. The unit comes standard with a

scale that reads real-time weights in the cab and on the wireless remote. The T10 is built with the same features and operating system, but with larger capacities and components. It is for both utility and industrial work. It is available in three chassis layouts to meet weight restrictions in a given area. An air compressor option allows for excavating with air when required, while a truck-mounted coring system allows for removal of hard surfaces prior to nondestructive excavating. **403-550-7997; www.rivalhydrovac.com**

## Transway Systems Terra-Vex HV65

The **Transway Systems Terra-Vex HV65** is a single-operator unit capable of performing all functions from a single remote control. The blower, water tank, boiler, jetter system and wands are housed in an insulated, sound-dampening enclosure with thermostat-controlled heater. It includes large, winter-friendly roll-up doors with ample storage. An onboard air compressor is available. **800-263-4508; www.transwaysystems.com**



### Vac-Con Mudslinger MS800

The **Mudslinger MS800** trailer-mounted hydrovac from **Vac-Con** is designed to provide the same power, suction and capacity of a truck hydroexcavator on a portable, pull-behind trailer. It includes the

choice of Tier 4 diesel or gas engine options providing up to 1,190 cfm and 16 inches Hg with a PD blower and 325 gallons of water. It has an 845-gallon debris tank and a 9-foot boom with 24 inches of hydraulic extension provides a full range of motion. It is designed to be a standalone unit, but can also provide support to construction, HDD and public utility fleets. A variety of applications includes daylighting, potholing, culvert and manhole cleaning and utility locating. **904-284-4200; www.vac-con.com**

## Vacall AllExcavate and AllExcavate2

**Vacall AllExcavate** and **AllExcavate2**

machines feature standard intelligent controls and easy startup operation.

Both models are designed to efficiently

remove dirt around utility lines and foundations. Water pumps generate 24.5 to 120 gpm and pressures to 3,000 psi. The AE2 model adds air excavation at 185 cfm and dual psi of 110 and 150. Water system, wand, control panel, tools and worker apparel are protected in a heated compartment. An AllSmartFlow CAN bus control system features a programmable LCD display that monitors engine, water flow, air pressure and vacuum performance for precise boom and reel adjustments. Aluminum water tanks with lifetime warranty carry 1,000 to 1,300 gallons. Galvanized debris tanks have a supreme finish, and are available with 8-, 10- and 13-cubic-yard capacities. They use one engine to power the chassis and excavation functions, designed to reduce service and operation costs. **800-382-8302; www.vacall.com**





**INDUSTRIAL VACUUM TRUCK**



**Imperial Industries' Freightliner 108SD**

**Imperial Industries' Freightliner 108SD** includes a fully remote-controlled vacuum system. It comes with a 4,200-gallon painted aluminum tank with a National

Vacuum Equipment Challenger 4310 blower (940 cfm). Functionality includes full control of the tank's PTO and pneumatic valves, providing the ability to switch between vacuum, neutral and pressure modes without leaving a septic tank access point. The bottom third of the tank is double-plated, and the tank is painted black with a diamond plate chip guard, full-flanged and dished heads for baffles, a hot shift PTO, one 4-inch vacuum inlet with lever valve, one 6-inch discharge with piston valve with a handle, three 5-inch sight glasses on the rear tank head, full-length aluminum hose trays, a SeeLevel indicator, a 24-by-24-by-24-inch aluminum toolbox, U.S. Department of Transportation LED light package, two rear LED work lights and an adjustable stainless steel rear bumper. **800-558-2945; www.imperialind.com**

**JET/VAC COMBO UNITS**

**Hi-Vac Aquatech B-Series**

The **Aquatech B-Series** combination sewer cleaner from **Hi-Vac** serves municipalities, water and sewer districts, and contractors for cleaning storm drains, catch basins and sewers. It is available with multiple debris tank sizes and water tank capacities, as well as various water and vacuum pump options. This scalability means each unit can be custom fit for use in any application. The rear-mounted hose reel design with 180-degree hydraulic articulation takes the operator off the street and away from traffic, providing a full 12-foot work radius beyond the truck's width. The rear-mounted hose reel provides an unobstructed 270-degree field of vision. The top-loading boom and one-piece vacuum hose provide 360-degree operation for safe, easy placement of the unit regardless of the manhole or excavation location. **800-752-2400; www.aquatechinc.com**



**Super Products Camel Max Series**

Camel Max Series combination sewer cleaners from Super Products allow operators to perform various tasks with jetting, vacuuming and excavating. The product

line comes in a variety of model configurations: 900 Dump, 1200 Dump, 1200 Eject and 1200 Wastewater Recycle. All 1200 models come standard with a high-dump subframe, eliminating the need to back up a ramp for debris removal. The 1200 Dump is capable of dumping into a 42-inch container while maintaining a low overhead height and a low center of gravity for increased stability. The 1200 Eject allows operators to dump safely into a 48-inch container without use of additional containment products. The 1200 Wastewater Recycle enables operators to clean sewers without using fresh water, and is capable of cleaning nearly 3,000 feet of sewer pipe per day and saving 60,000 gallons of water per week. **800-837-9711; www.superproducts.com**

**VACUUM PUMPS**

**Engine & Accessory Masport Cobra Plug & Play 532 CFM**

The **Masport Cobra Plug & Play 532 CFM**, distributed by **Engine & Accessory**, was developed for tank sizes ranging from 3,000 to 8,000 gallons. It is equipped with a compact scrubber with 4-inch NPT inlet and high-efficiency steel oil separator with exhaust deflector, a 13-inch fan for cooling during operation, and operates at 22 inches Hg continuous duty. It incorporates a pressure relief valve vent recovery system that eliminates cleanup with no oil exhaustion. It utilizes a Rexnord Omega coupling for gearbox installations for a greater life with automatic transmissions and an automatic mechanical oil pump that delivers the correct amount of oil at all working levels with no manual adjustments necessary. **305-573-2268; www.eamtanktrucks.com**



**Fruitland 870 Series**

**Fruitland's 870 Series** pump allows vacuum levels of 28.5 inches Hg and continuous vacuum of 27 inches Hg. It is capable of providing 30 psi pressure for offloading. Oil consumption is 1 gallon for 18 hours of operation to reduce environmental impact. Locally sourced, nonproprietary oil may be used.



The pump delivers 510 cfm (free air) through 4-inch porting. **905-662-6552; www.fruitlandmanufacturing.com**

**Moro USA PM3000**

The **Moro USA PM3000** vacuum pump operates at 1,001 cfm, 29 psi with a vacuum of 28 inches Hg. One of five pumps in the Storm Series, it offers the combination of high air flow and deep vacuum of a rotary lobe blower and the durability of a rotary vane pump. It utilizes a cooling circuit and comes standard with a water recirculation pump for continuous heat exchange. It rotates at 1,200 rpm, resulting in lower fuel consumption and temperatures to promote longer pump life. It is constructed with a cast-iron casing, Kevlar vanes and industrial-grade Viton oil seals. It includes an integrated check-valve, changeover manifold and oil-fed bearings. Engine-driven packages and other drive configurations are available. **866-383-6304; www.morousa.com**

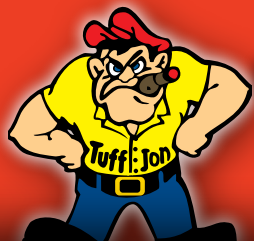


**Presvac Systems PV750**

The **Presvac Systems PV750** rotary vane pump is designed for continuous full-vacuum operation in extreme conditions. It offers 400 cfm at free air, 350 cfm at 15 inches Hg, a maximum vacuum of 27 inches Hg and maximum pressure of 35 psi.

Dual fans and twin ballast ports are designed to efficiently cool the pump. The solid housing with deep cooling ribs allows greater heat transfer from the vacuum chamber. Aluminum fans and shrouding work like a heat exchanger. Multiple manifold and drive options are available for truck, trailer or stationary applications. **800-387-7763; www.presvac.com**

*(continued)*



# TUFF-JON

Evansville's #1 Portable Toilet Rental and Sales

The TSF Company Inc.  
2930 S St. Phillips Rd.  
Evansville, IN 47712

**PORTABLE TOILETS • HOLDING TANKS • HAND WASH UNITS • ACCESSORIES**

Tuff-Jon



Tuff-Jon III



TJ Shorty



TJ Kids



Inside View



Containment Tray



Sink Lifting Bracket



- Tank sizes 60, 105, 225, 300 and 440 gallons.
- Standard holes are 2 - 3" holes with plugs
- Can customize holes to match your specs

**We also carry:**  
Lifting Bracket Assemblies  
Sky Heaters  
Corner Shelves  
Towel Dispensers  
Hand Washers

TJ Handy Stand  
Waterless Gel  
Touch Dispensers



TJ Junior Single Free  
Standing Sink



90 Gallon Free-Standing Sink  
with optional Handicap Accessible Sink



60 Gallon Rinse Tank



100 Gallon Fresh  
Water Supply  
Tank



**SERVING THE TRI-STATE AREA SINCE 1959**

**Toll Free: 1-800-843-9286 | 812-985-2630**

**Fax: 812-985-3671**

**Email: [aschenk@tuff-jon.com](mailto:aschenk@tuff-jon.com)**

**VISIT US ONLINE AT  
WWW.TUFF-JON.COM**

**ASK US ABOUT RENTALS!**





**Samson Pumps Truck Master 3400 Series**

**Truck Master 3400 Series** liquid ring vacuum pumps from **Samson Pumps** are built for vacuum trucks and hydroexcavators. They offer a capacity up to 2,010 cfm and generate 27.1 Hg in vacuum.

Air speed is approximately 260 feet per second in a 4-inch suction hose. They weigh in at 1,170 pounds, with a height of 22.7 inches, length of 48.6 inches and width of 26.1 inches. Highlights include a combination of water handling capabilities, nonclogging design, self-priming capability, high suction power, durability, low maintenance requirements, silent operation and environmental considerations. [www.samson-pumps.com](http://www.samson-pumps.com)

**Wallenstein Vacuum 753 Series**

The **753 Series** vacuum pump from **Wallenstein Vacuum** is designed for longer service life, incorporating wide vanes that allow up to an inch of wear. It provides 422 cfm airflow at 1,200 rpm and vacuum levels up to 28 inches Hg. Options include air-, liquid- or dual-cooling systems where air injection is combined with liquid cooling. A pump-flushing port is included on the top valve for convenient maintenance. The quick-access housing end plate allows for easy internal inspection with no



bearings to pull. Oil lubrication is via a mechanical piston pump driven by shaft rotation or available with a sight-feed valve oil regulator system using vacuum/pressure to draw oil with no moving parts. **800-801-6663; www.wallenstein.com**



**Westmoor Conde PowerPaks**

**Westmoor Conde PowerPaks** are preassembled gasoline or diesel-powered vacuum pump units. They are easy to install, according to the maker, and include a heavy-duty steel base with aluminum diamond plate trim and belt guard.

Rigid assembly is designed to ensure minimum vibration and maximum power. They are available with either vacuum only or vacuum/pressure pumps. A wide range of cfm options ensure the PowerPak is matched to the tank size and application. Units are powered with optional Honda GX Commercial Series gasoline engines or Hatz industrial air-cooled diesel engines. Units can be easily transferred to another tank system when needed. **800-367-0972; www.westmoorltd.co**

**WATER PUMPS**

**Cat Pumps Model 1560**

With a performance rating of 9 gpm at 4,000 psi, the **Cat Pumps Model 1560** offers a combination of high performance, compact footprint and longevity to help jetters cut through challenging jobs. It converts to a jetting pump by adding a pulsator assembly, which eliminates the danger of dead-heading the pump, prolonging the life of the seals and reducing unplanned downtime. A convenient handle allows for a quick changeover from cleaning to jetting modes. The pump can be belt-driven with a 12.4-inch pitch diameter dual-groove B-belt clutch, providing the on-demand ability to engage or disengage the pump, reducing runtime, saving energy and increasing pump life. Or, with a bell housing, an SAE hydraulic motor can be conveniently mounted to drive the pump. **763-780-5440; www.catpumps.com**



**Dynablast Pratissoli KTX Series**



The **Pratissoli KTX Series** water pump, distributed by **Dynablast**, is designed for hydroexcavation. The KTX24ASPF offers 13.5 gpm at 3,625 psi and 1450 rpm and the KTX28ASPF offers 18.4 gpm at 2,900 psi and 1,450 rpm. Its T13 female spline shaft input and SAE B 2/4 bolt flange enable direct mounting to the hydraulic motor. It has run dry-seals with a Kevlar Graphite rope, a 420 stainless steel manifold for protection from cavitation, and a self-lubricating design, so no oiler kit or weekly oiling is required. Its symmetrical crankcase makes it easy to reverse shaft the pump. Internal fins on the aluminum crankcase provide cooling to lower oil temperature. A tapered roller bearing improves lateral loading. The two-bore ceramic plungers are thicker ceramic on the water end to prevent thermal shock. **905-867-4642; www.dynablast.ca/product/hydrovac P**



PORTABLE RESTROOM TRUCKS  
SLIDE IN UNITS  
SEPTIC TRUCKS

*Backed By a History of Reliable Service, Innovation & Care*

TRUCKS  
BUILT  
FOR  
DEMANDING  
JOBS  
JUST  
LIKE  
YOURS




Look to us for the toughest septic trucks, portable restroom trucks, hydrovac units and slide-in units. Crafting any truck to your needs.

- Specialized & Customized Septic Trucks
- Portable Restroom Trucks Built for Your Specific Needs
- Slide In Units: Affordable Back-up or Starter Tanks That Are Tough & Compact

CONTACT TIM COUNTS 254-721-5675 or BRUCE CURRY 254-760-1514  
— [www.atcvacuumtruck.com](http://www.atcvacuumtruck.com) —



# FRUITLAND

## VACUUM PUMPS

**A higher level of quality, reliability and performance to exceed your expectations and get the job done.**



### Vacuum Pumps

- Air & Fan Cooled
- Liquid Cooled
- Liquid Ring
- Build Packages
- Parts & Components

### Engine Driven Systems

Gas, diesel, and electric drive systems are available for most of our pump models

### Tank Components and Accessories

We offer a wide range of vacuum tank components available in steel, stainless, and aluminum



**CONTACT US**  
**(905) 662-6552**  
**1-800-663-9003**  
**sales@fruitland-mfg.com**



[www.fruitlandmanufacturing.com](http://www.fruitlandmanufacturing.com)



# LANE'S VACUUM TANK, INC.

**BUILT BY  
FOR PUMPER  
PUMPER**

## Aluminum Tanks

All sizes available

**Call for Price**



## Slide-Ins

All sizes available

**Call for Price**

**Dodge & International - In Stock  
Ford - Call for Pricing**

## Toilet Transport Trailers



950/300  
Aluminum Tank;  
Gas or Diesel;  
4x2 or 4x4

**Call for Price & Availability**



**13" Tires • 25" High**

Spare Tire. Adjustable Hitch.  
3500 Pound Axles with Brakes.  
I Beam Fold Up On Rear  
for Handicap Units

Used trailers also for sale

6 Hauler  
10 Hauler  
12 Hauler  
14 Hauler  
16 Hauler  
18 Hauler  
20 Hauler

SLIDE-IN UNITS & USED TRUCKS AVAILABLE / MASPORT, JUROP & CONDÉ VACUUM PUMPS

All Brands and Sizes of Aluminum & Steel Tanks and Trucks are Available

800.592.3308 • 270.527.9945 RODNEY LANE'S CELL 270.832.3793 WWW.LANESMOBILEJOHN.COM



**ROEDA**  
SIGNS PRINT SERVICE

We Get You Recognized



- Fast Turn-Around Times
- Affordable Prices
- Outstanding Quality
- Hi-Tack Adhesives
- Durable U.V. Inks
- Worldwide Shipping
- Die-Cut Shapes
- Company Signage
- Thousands of Stock Decals Available

Call A Specialist Today!  
**(800) 829-3021**  
www.roeda.com

20530 Stoney Island Ave.  
Lynwood, IL 60411  
info@roeda.com



# Septic-Scrub™

**The Demonstrated Drainfield  
Restoration/Maintenance Solution**

Backed By Science ■ Proven with Experience ■ Many Satisfied Homeowners

Septic-Scrub™ is a superior product for the maintenance and restoration of septic system drainfields. Customers appreciate that it is environmentally safe, contains no organic chemicals and does not produce any toxic by-products. Most importantly, **Septic-Scrub works.** It breaks down sulfide buildup in the biomat and soil to allow for better water absorption. Learn more about Septic-Scrub at [www.arcan.com](http://www.arcan.com).



**arcan**  
P.O. Box 31057  
Clarksville, TN 37040

For information on increasing sales and providing a valuable service to your customers, call Arcan Enterprises at **888-35ARCAN (352-7226)**

**tele radio**<sup>®</sup>  
wireless solutions

SAFE • SMART • STRONG

**INDUSTRIAL  
REMOTES FOR  
JETTERS AND  
VAC TRUCKS**



+1 305 459 0763

www.teleradio.com

sales@teleradio.com

Tele Radio America, LLC

**FMC Advisors**  
Real Results

**Expert Representation  
During the Sale of  
Your Business**



DAMON POWELL  
407-765-9440



ED MEDVIC  
727-486-0306



*"It was a pleasure working with Damon and his staff on selling our company. He and his team were professional and the process was seamless"*

- ✓ 150+ closed transactions
- ✓ 70 years combined industry experience
- ✓ Free consultations
- ✓ Zero upfront cost

www.FMCadvisors.com



# “It’s Not Your Grandparents’ Septic System”

Iowa installer and pumper Rick Miene counts customer education as a critical part of his daily routine

Compiled by Betty Dageforde



In Snapshot, we talk to a member of a state, provincial or national trade association in the decentralized wastewater industry. **This time we visit a member of the Iowa Onsite Waste Water Association**

**Name and title or job description:** Rick Miene, owner

**Business name and location:** Miene Septic Service, Robins, Iowa

**Services we offer:** Septic system installation, maintenance and pumping; land clearing, grading and excavating. Septic is our backbone but we also have little niches that others don’t do. We’re like a one-stop shop about anything that comes to dirt work.

**Age:** 51

**Years in the industry:** We just celebrated our 50th anniversary. My dad started the company, then I took over. So I’ve been in it my whole life. There are pictures of me on job sites with my Tonka Toys. But I received my first official paycheck in 1986.

**Association involvement:** We’ve been members of the Iowa Onsite Waste Water Association since 1999 when it started. I have been on the board of directors for eight years and have served as president.

**Benefits of belonging to the association:** We formed the association because we saw the importance of getting educated, meeting other people, seeing that they were struggling with the same things you were. We can bounce ideas off others who aren’t in our neighborhood. We can collaborate and have a sense of community. We can network with instructors and other professionals, like precasters and suppliers. Having that network of individuals to reach out to is so important.

**Biggest issue facing your association right now:** We’re trying to find ways to educate people without them feeling like they’re not learning anything because they’ve heard it before. We’re looking for new ideas and hitting on topics people are not talking about and doing a variety of things to keep people engaged. And we want to get people talking about problems because the association is there to help them. We’ve had some challenges working with the Iowa Department of Natural Resources and their rule interpretations and I think the association is doing a good job in getting the government to listen to us, and keeping them from getting too powerful.

**Our crew includes:** My mother, Faith, has been here a long time and does so much — estimating, planning, scheduling, coordinating jobs with homeowners, doing the profit and loss work, answering phones. My son Cameron worked during the summers when he was in school but has since

moved on to do his own thing. My daughter Marissa is our “go-fer” person running errands and cleaning equipment, and is working towards getting her CDL. Then we have Jordan Boley, excavation equipment operator, and 2023 WWETT Show national backhoe ROE-D-HOE champion; Kyle Nickvinda, alternative systems, pumping, soil analysis and time of transfer inspections; Chris Usher, pumping and time of transfer inspections; Kurt Vandersee, certified installer; Bob Ford, grading, tree mulching, certified installer and problem-solver on difficult sites; Kolby Morris, dump truck driver and do-everything guy wherever needed; Zach Knoll, dirt work for dozer and excavator; Chris Bodicker, paperwork for time of transfers, permits and locates.

**Typical day on the job:** I start at 6 a.m. on the phone, checking weather, planning what needs to go where. I might be working on scheduling, directing guys, checking on job sites, meeting clients and contractors. My good days are when I can go get in a piece of equipment and just enjoy myself. The day can end anywhere from 5 to 9 p.m. — but the phone is always on.

**The job I’ll never forget:** Tight, difficult sites with a lot of topography are always challenging. In one case we had a narrow area between the road and a creek. Somehow we had to fit in the house, the driveway, get 100 feet away from the well, and still get a septic system on it without falling into the creek. There was a 27-foot drop from the front of the house to the back. It was a crazy build and we had to really think outside the box.

**My favorite piece of equipment:** I like the skid loaders (Bobcat), the dozer (John Deere), and our mini-excavators (Link-Belt 145, John Deere 245, three Bobcats). It’s nice to get big equipment, but I enjoy the smaller ones. It’s amazing what you can do with those in tight areas.

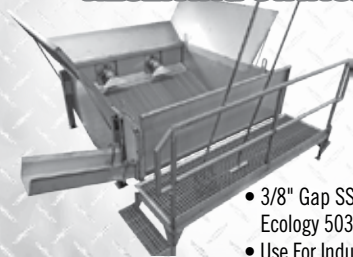
**Most challenging site I’ve worked on:** Our challenging sites are the ones where there’s an enormous amount of



▲ Rick Miene, owner

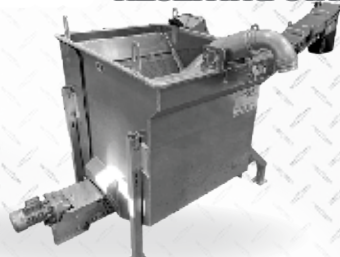
(continued)

### MEGA SCREEN 600 & 800 RECEIVING STATIONS



- 3/8" Gap SS Bars Meet Ecology 503 Regs
- Use For Industrial Truck Clean-out
- Offload 2 Trucks At Once
- 7' Trash Chute Bolts On Either Side
- Septic & Grease Receiving And Lift Station Trash
- Largest Receiving Stations On The Market Mega 800 51 Sq Ft, Mega 600 40.5 Sq Ft
- Offload At 1000-800 GPM Through Dual Fan Spreaders 4", 6" or 8" Inlet

### NEW TRASH MASTER 400 RECEIVING STATION



#### Simplest Auto Screen In The Industry

- Uses Gravity To Separate Trash From Flow Screen
- 4" Power Offload From Truck 500 GPM
- Patent Pending
- 3/8" Gap SS Bars Meet Ecology 503 Regs
- Dewateres Trash - VFD 5-30 RPM
- Heavy Duty Shaftless Screw Moves Trash To Receptacle

### MAXI SCREEN 400 PORTABLE SEPTIC RECEIVING STATIONS



#### Aluminum & Stainless Construction

- 3/8" Gap SS Bars Meet Ecology 503 Regs
- Screens That Really Work
- No Moving Parts
- Gravity Off-Load At 500 GPM
- NEW 4' Trash Extension Puts Trash Directly Into Dumpster

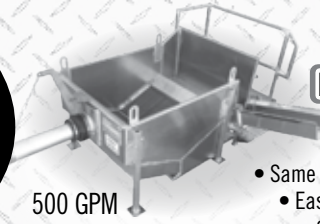
Patented Dual Screen Design

### NEW MICRO SCREEN 400 PORTABLE RECEIVING STATION



- Place Over Frac Tank Or In Ground Storage Tank
- Bolts Securely To Manhole Ring
- 3/8" Gap Bars, 8 Sq Ft Screen Area
- Sealed Lockable Hinged Cover • Fast 4" Offload
- Lightweight - Portable • Small Footprint

OUR SYSTEMS MEET ECOLOGY 503S



### MINI SCREEN 400 PORTABLE RECEIVING STATION

- Same Great Design, Ships Truck Freight
- Easily Fits In Pickup for Transport
- Small Footprint, Big Results

500 GPM  
Patented Dual Screen Design

### TRIPOD LID & PUMP LIFTER

- Folds To Fit On Hose Deck
- Max Load 600 lbs
- Saves Back Injuries
- Auto Brake Winch
- Only Weighs 28 lbs
- Heavy-duty Aluminum Construction
- Available In 4-5-6 Ft Models
- Lifts Stubborn Tapered Lids

### GRIT ELIMINATOR



- Removes Grit From Flow Stream
- Keeps Onsite Storage Grit Free
- Available in 18, 32, 64, 96 Cu Ft Grit Capacity

### SHAFT DRIVE PUMPS & AGITATORS

- Move Septic And Grease Interceptor Waste With Ease From Underground Storage Tanks
- Great For Transferring To Land Application Site
- Mix While Dewatering
- Handles Sand Grit And Slurry Type Materials
- Pit Depths Of 3-12 Ft, 3333 Up To 500 GPM, 4444 Up To 1580 GPM

PAIZ DISTRIBUTOR

### TRUCK TOW BEHIND PORTASCREEN SPREADER



- Portable Event Screening
- Doubles As Screener Spreader & Mobile Septic Receiving Station
- Clean Up Your Land Application Site
- Never Hand Pick Trash Again

COMING IN OCTOBER

Pumper

2023/24  
SUPPLIER  
DIRECTORY



Wilson, North Carolina  
252-206-1641  
www.integrity-tank.com

Backed by more than 85 years of combined experience in custom tank building



#### Custom builds include:

- Septic/ Grease/ Industrial Waste
- 200 - 6000 Gallons
- Portable Restroom Service Trucks
- Aluminum/Steel/Stainless

#### Additional Services:

- Vacuum pump repairs, conversions, and refurbis

Integrity Tank where quality and service exceed expectations

CONTACT CHAD DAVIS for QUOTES at 252-450-9168





# WORKING WELL UNDER PRESSURE

Building Drain and Sewer Equipment since 1981.

NEW



### 4008H Power Unit

±8 gpm @ 4000 psi ±800 cc EFI Honda Engine  
±400' x 3/8" Jet Hose on DC Powered Reel  
**Just Add A Tank!** **Call for Quote**

### 3012H Power Unit

±12 gpm @ 3000 psi ±800 cc EFI Honda Engine  
±400' x 1/2" Jet Hose on DC Powered Reel  
**Call for Quote**

### 4008H Compact Skid

±8 gpm @ 4000 psi ±800 cc EFI Honda Engine  
±400' x 3/8" Jet Hose on DC Powered Reel  
(100 GALLON TANK) **Call for Quote**

### 3012H Compact Skid

±12 gpm @ 3000 psi ±800 cc EFI Honda Engine  
±400' x 1/2" Jet Hose on DC Powered Reel  
(100 GALLON TANK) **Call for Quote**

NEW



NEW



### RCJ4008H

±8 gpm @ 4000 psi ±800 cc EFI Honda Engine  
±200' x 3/8" Jet Hose on Manual Reel  
**Call for Quote**

NEW



### LJ4008H

±8 gpm @ 4000 psi ±800 cc EFI Honda Engine  
±200' x 3/8" Jet Hose on Manual Reel  
(NARROW DESIGN) **Call for Quote**



### VM4008H

±8 gpm @ 4000 psi ±690 cc Honda Engine  
±50' x 3/8" Washdown Hose on DC Reel  
**Call for Quote**



### CV4008H-HOT

±8 gpm @ 4000 psi ±690 cc Honda Engine  
±400' x 3/8" Jet Hose on DC Reel  
**Call for Quote**

**TRAILER MODELS AVAILABLE**  
through 25 gpm @ 4000 psi

All Jets Shown Come with Pulse Valve, 2 Jet Nozzles, Tool Box, Gloves, Safety Glasses, Tip Cleaner, Tiger Tail, Wash Down Trigger Gun with Nozzles.

## Pressure Washers & Drain Jetting Equipment

We Build Electric, Gas and Diesel powered models up to 4000 psi, flows up to 40 gallons per minute. Don't see exactly what you want... We will custom build exactly what you want!

800-648-5011 | www.camspray.com | sales@camspray.com

## SNAPSHOT

paperwork and contracts. For example, we worked at a nuclear power plant and that is just a whole different world. We joked that it was "nuclear time" because it would take forever to do anything. If you had an eight-day work schedule, you were going to get about two hours worth of work done after all the safety meetings and laying things out. So many things were over-thought. It was problematic for getting things done in a timely manner. You learn to appreciate working for residential.

**Oops, I wish I could take this one back:** The "oops" is when you get in a hurry. I remember once backing into the shop when I was in a hurry. I backed right smack dab into a new truck and just smashed the whole front end. You need to take the time to check out your surroundings before you cause thousands of dollars of damage.

**The craziest question I've been asked by a customer:** Sometimes people say things like, "I've always heard that I don't have to pump my septic tank. My grandparents and my dad never had to." But after you get done talking to them you find out it was a straight pipe to the ditch. We tell them, "Your septic system is not your grandparents' septic system. You need to take care of it like you do your car." Part of our job is educating people, so we spend a lot of time telling customers what they should and should not be doing.

**If I could change one industry regulation, it would be:** We're currently having an interpretation dispute with the DNR about what we feel should be done with treated effluent. There's been a rule change that we cannot put that water back into the soil. The change I'd like to see is that they get educated and listen to people who are in the know so we don't have open water becoming stagnant. Iowa is working on that and we're trying to get some extra backing from NOWRA (National Onsite Wastewater Recycling Association). I fully believe that I am a professional in this industry and I feel very passionate about clean water and being able to utilize our resources the best we can, whether it's water or wastewater. There are so many ways we can do that. Dumping septage to a wastewater treatment plant is not always the best way.

**Best piece of small business advice I've heard:** This may be self-discovered, but I believe that in a small business you need four key things: a creative accountant, a wise attorney, a good banker and a good insurance agent.

**If I wasn't working in the wastewater industry, I would:** I like helping people, solving problems, coming up with ideas on these jobs. So I'd probably look at consulting in the wastewater industry and find ways to join the regulatory and private people who are trying to make businesses work to solve homeowner issues.

**Crystal ball time – This is my outlook for the wastewater industry:** I see a change coming. As you get out to the east and west coasts where it's very populated with tight lots, a lot of the denitrification and phosphorus removal technologies, as well as carbon footprints, are starting to become something. I think we'll see more stringent regulations. People aren't really set up for that in Iowa because we have room. But even in Cedar Rapids, we do have a lot of these cookie-cutter lots that we are having to get very creative putting septic systems in. I think we have to start paying attention to those regulations and the confinements of what we have. It almost seems like we, as contractors, might have to start getting science degrees. Even farmers are getting into the science of a lot of this with nitrates, nitrogen, ammonia and what you need to do to create sustainable soils without affecting the water table. **P**



1.888.428.6422

SNELSON@TANKTEC.BIZ

# TankTec

Tank Technologies & Supply Co, LLC

WWW.TANKTEC.BIZ

300 to 6000 Gallons  
Aluminum or Stainless

FORD 1500 GALLON



KENWORTH  
4000 GALLON

2000 GALLON  
PORTABLE  
RESTROOM



### SLIDE IN TANKS

**Standard Features:**

- Aluminum construction
- 25' vacuum hose with valve and wand
- Honda engine driven vacuum pump
- 12v water pump



**TankTec** FACTORY BUILT TRUCKS, BUILT-TO-ORDER  
IN-STOCK, FINANCING & LEASE OPTIONS



T&T TOOLS

## T&T Tools, Inc.

Fax: 800-521-3260

Email: sales@mightyprobe.com

## 800-521-6893

www.MightyProbe.com

MADE IN THE USA | 30 YEARS OF EXPERIENCE | FAMILY BUSINESS

Call for a **FREE** Catalog



Call for a **FREE** Catalog

### HOOKS...

- » Several different styles of heat-treated hooks are available
- » Top Poppers are great to open manhole covers
- » The Handy Hooks allow two handed use

### PROBES...

- » Insulated, standard, and specialty soil probes
- » Metal shaft sizes: 3/8" round, 3/8" hex or 7/16" hex
- » Replaceable tips are threaded on and hardened
- » A "slide" allows the handle to pound the shaft into the ground



Cape Cod's  
Full Lineup  
of Products:

**JUMP START**  
Tank Activator

**CCLS**  
Tank Maintenance

**After Shock**  
Drainfield Care

**DrainMaster**  
Drain Help

**BIO-REM-ED**  
Grease Killer

# Drainfield Care & Restoration




**After Shock restores drainage to clogged and sluggish drainfields and structures, eliminates odors**



Green Products for Septic Professionals  
**SINCE 1976**

800-759-CCLS | [www.SepticOnline.com](http://www.SepticOnline.com) |  Cape Cod Biochemical

**USE OUR CUSTOMER PORTAL FOR EASY ONLINE ORDERS!**

 Proudly Manufactured in the U.S.A.

## tanktrack

**Get more done in less time** with  
the **simple septic business software**

- ✓ Simplify scheduling, billing, payment processing, and reporting
- ✓ Track waste manifests and land application
- ✓ Manage service contracts and reminders
- ✓ Go paperless using Apple or Android tablets
- ✓ Optimize routes, checklists, and more...

Simple monthly pricing | No hidden fees  
Friendly, US-based customer support

**Watch our free demo:**  
[tank-track.com/see](http://tank-track.com/see)

[603] 277-3206 | [info@tank-track.com](mailto:info@tank-track.com)

**CENTURY** EST. 1926  
CHEMICAL CORPORATION

Control exhaust odors  
from spreading around  
the neighborhood

**Toi-De  
Fresh™**

**Weddings | Festivals | Venues | Construction Sites**

### PUMP OIL ADDITIVE FRAGRANCES

Wild Cherry | Grape | Bubble Gum | Vanilla | Fresh 'N Clean | Orange | Apple Cinnamon | Mulberry | Pina Colada

**Special order fragrances available upon request**

**FOR INDUSTRIAL USE ONLY**

In the most demanding applications, our portable sanitation solutions are reliable, economical, and effective at controlling odors.

We offer free shipping on all drums and totes



[www.centurychemical.com](http://www.centurychemical.com)  
800.348.3505 • [sales@centurychemical.com](mailto:sales@centurychemical.com)





# VACUUM TECHNOLOGY



## Pro-Vac Industrial Pumpout System Ideal for Indoor/Remote Jobs

For: grease trap service pumping, machine coolant pumping-cleaning, remote portable toilet pumping, marina vacuum pump out service, or any pumping and transfer of liquid waste



Made in USA  
Since 1939



**Pumps - 35 Thru 230 CFM**  
Vacuum (only) & Vacuum/Pressure



**PowerPaks - Gas & Diesel Powered**  
Belt Drive & Direct Drive

Westmoor Ltd., Sherrill, NY • westmoorltd.com • orders@westmoorltd.com • 1-800-367-0972

# CUSTOM SOLUTIONS FOR OUR CUSTOMERS

Vacuum tanks designed and built  
to work the way you work



[www.pikrite.com/pumper](http://www.pikrite.com/pumper)  
800-326-9763

**PIK RITE HAS  
YOUR PARTS!**

*Parts from leading manufacturers  
backed by unmatched expertise and service.*

[store.pikrite.com](http://store.pikrite.com)

**Jurop** North American  
Distributor &  
OEM Partner





# Nevadans Balk at Forced Municipal Sewer Hookups

By David Steinkraus

Onsite system owners in Nevada's Las Vegas Valley were irked by a bill in the state legislature that would have required them to connect to a municipal treatment system. A few hundred of them showed up at a public meeting and told the local water authority of their displeasure.

As introduced, the bill would have required property owners to switch from onsite to municipal treatment by 2054 if a property was within 400 feet of a municipal system. It also would have required a review of permits every five years to determine whether a property was within the 400-foot limit, and would have revoked the onsite system permit if the owners didn't connect.

The other quirk in the bill was that it would have applied only to a county of more than 700,000 people. In Nevada there's only one of those: Clark County, which includes Las Vegas.

All of this was intended as a way to increase the state's share of Colorado River water, reported the *Las Vegas Review-Journal*. For every gallon of water treated and returned to Lake Mead, the main water source for Las Vegas, the municipal water system receives a credit of one extra gallon. Those credits enabled Nevada to push its withdrawals beyond the state's 300,000-acre-foot allocation of river water. Water treated in onsite systems never flows to the lake.

The complaints were heard. As sent to the governor, the bill allows the Southern Nevada Health District to create a voluntary program that will pay the cost for a property owner to abandon an onsite system and connect to municipal sewer. New septic systems will be prohibited, Colby Pellegrino, deputy general manager of resources for the Southern Nevada Water Authority, told KLAS-TV News.

The bill, now signed into law, takes another step: It gives the water authority power to cap household water use at one-half acre-foot of water per year if the federal government reduces the state's Colorado River allocation below 270,000 acre-feet. The cap equals about 163,000 gallons and would affect about 115,000 homes, reported the *Review-Journal*, but the average home in the valley uses 130,000 to 132,000 gallons.

A winter snowpack at 160% of normal in the Upper Colorado Basin removed some pressure for water conservation, but it will fill Lake Mead to only 26% of capacity, KLAS reported.

## Massachusetts

Officials in the town of Dartmouth are upset over being excluded from a state committee reviewing possible new onsite regulations. The Dartmouth Select Board was deeply troubled about the exclusion, reported *The New Bedford Light*.

The Department of Environmental Protection is discussing new rules for nitrogen reduction that would require many property owners along the Atlantic

shore to upgrade their onsite systems. As proposed regulations stand, people in designated nitrogen-sensitive areas would be required to upgrade to nitrogen-reducing systems within five years after regulations are finalized, and they would have to use the best available technology. Another option would allow towns to apply for watershed management permits, which would extend the deadline for system upgrades to 20 years.

The state committee is comprised of engineers, environmental advocates, real estate professionals, regulators and government officials. Its job is to revise the proposed regulations in light of the hundreds of public comments received. People objected primarily to the cost that homeowners and taxpayers could face if the rules are implemented as proposed.

Communities near Dartmouth are represented on the committee, but not Dartmouth, said the newspaper. "It's a very purposeful selection of individuals, because if you select the right people you get a certain outcome," said Chris Michaud, Dartmouth's health director and a critic of the proposed regulations.

Gary Moran, DEP deputy commissioner for operations, said the agency is considering applying regulations only to areas ready to be designated as nitrogen-sensitive, which would mean only watersheds on Cape Cod. DEP may also extend the deadline for compliance, grandfather in more systems and streamline the watershed permit process.

## Kansas

Commissioners in Reno County held a meeting about the county's onsite code and eventually ordered the Health Department director to come back with answers to their questions.

"We've created a system that has become so expensive that many of our consumers and our sellers, when they get ready to sell, don't have \$20,000 just to have a system [upgraded]," real estate agent Marsha McConnell told commissioners, according to *The Hutchinson News*.

Josh Barkley, of Barkley Plumbing, said the county is known as a difficult place for onsite installations. He and other people told commissioners that contractors cannot use newer technologies because they are not allowed by the county, and he said there are too many requirements for specific soil tests and documents.

Commissioners were frustrated by a lack of specific answers from representatives of the Kansas Department of Health and Environment who attended, and commissioners discussed reducing their code to the one used by the state, which is half the size of the county's code.

## South Carolina

Greenville County officials are talking about how to implement a planning

# RULES & REGS

goal of restricting the use of onsite systems. Implementation would also include limiting growth in rural areas that sewer lines don't yet reach, reported *The Post and Courier* of Charleston. A number of housing developments using onsite systems have been approved in rural areas of the county.

Ennis Fant, who chairs the county council's planning and development committee, said the county wants to avoid haphazard development and encourage it in areas where sewer system growth is planned.

County staff offered some options for restricting the use of onsite systems: limiting septic use to subdivisions with six or fewer houses, banning septic systems within 100 feet of a body of water, and requiring 3-acre lots for subdivisions considering septic use.

Greenville County has a population of about 548,000 and by 2040 is expected to add 222,000 new residents.

## Ohio

Stark County wants to accelerate septic tank upgrades using \$450,000 in money from the federal Coronavirus Aid, Relief, and Economic Security Act. The county Health Department receives about \$150,000 annually from the state, but with only those payments it would take about three years to complete all projects on the waiting list, reported *The Repository* of Canton, Ohio.

"Stark County has the most septic systems in the state of Ohio," said Todd Paulus, a unit manager at the Stark County Health Department. "We're estimated at around 43,000 septic systems."

Depending on the complexity of the jobs, the department estimates between 24 and 32 systems could be replaced with the money.

## Oregon

Homeowners with onsite systems damaged by wildfire in Lincoln County may be eligible for financial assistance for repairs through a program run by the county and Oregon State University Extension Service. The program had previously been available to wildfire survivors in Otis, but it will now be open to low- and middle-income homeowners across the county. A one-person household will qualify with an income less than \$38,640. A household of four cannot have a combined income of more than \$79,500. Applications for the program can be found at <https://beav.es/3K8>.

## Texas

Residents of the Lampasas River watershed may receive up to \$8,000 for repair or replacement of failing septic systems. This is the second set of federal funds for dealing with ailing onsite systems in the watershed, and it will fix about 20 systems. The first set of federal funds replaced about 20 systems. The watershed includes parts of Mills, Hamilton, Lampasas, Coryell, Burnet, Bell and Williamson counties, according to *AgriLife Today*, a publication of Texas A&M University, which is part of the Lampasas River Watershed Partnership. More information about the grant program is at [www.lampasasriver.org/ossf](http://www.lampasasriver.org/ossf).

## Massachusetts

Dukes County commissioners voted to spend \$1.4 million so homeowners in all seven towns in the county could install nitrogen-reducing onsite systems. The money will reimburse, or help cover, the cost for properties that cannot connect to a municipal sewer system. Money will come from the American Rescue Plan Act. Each town will seek property owners interested in participating, reported the *Vineyard Gazette* of Edgartown. **P**

# Marsh

Kalkaska, MI INDUSTRIAL

p: 231.258.4870 • f: 231.258.2019 • sales@marshind.com

800.952.1537 - WWW.MARSHIND.COM

### VACUUM SEPTIC UNITS



Thank you J&M Excavating. It was a pleasure working with you!

### SLIDE-IN UNITS

### MINI VAC TRAILERS



Thank you CNP Waste Disposal. We appreciate your business!



Industrial Units DOT Code & Non-Code

### DOT INDUSTRIAL VACUUM UNITS

DOT Code & Non-Code Hoist & Rear Door Options



### PORTABLE TOILET UNITS



Portable Toilet Restroom Service Units

## Quality People Doing Quality Work

Join us on Facebook See the progress of some of our units in the making. Check out our website for more information: [www.marshind.com](http://www.marshind.com)



# Serving the Industry

➔ Visit your state and provincial trade Associations

**Alabama**  
Alabama Onsite Wastewater Assoc.  
www.aowainfo.org; 334-396-3434

**Arizona**  
Arizona Onsite Wastewater Recycling Assoc.  
www.azowra.org; 928-443-0333

**Arkansas**  
Arkansas Onsite Wastewater Assoc.  
www.arkowa.com

**California**  
California Onsite Wastewater Assoc.  
www.cowa.org; 530-513-6658

**Colorado**  
Colorado Professionals in Onsite Wastewater  
www.cpow.net; 720-626-8989

**Connecticut**  
Connecticut Onsite Wastewater Recycling Assoc.  
www.cowra-online.org  
860-267-1057

**Delaware**  
Delaware On-Site Wastewater Recycling Assoc.  
www.dowra.org

**Florida**  
Florida Onsite Wastewater Assoc.  
www.fowaonsite.com  
321-363-1590

**Georgia**  
Georgia Onsite Wastewater Assoc.  
www.georgiaonsitewastewater.com  
706-407-2552

Georgia F.O.G. Alliance  
www.georgiafog.com

**Idaho**  
Onsite Wastewater Assoc. of Idaho  
www.owaidaho.org; 208-664-2133

**Illinois**  
Onsite Wastewater Professionals of Illinois  
www.owpi.org

**Indiana**  
Indiana Onsite Waste Water Professionals Assoc.  
www.iowpa.org; 317-965-1859

**Iowa**  
Iowa Onsite Waste Water Assoc.  
www.iowwa.com; 515-225-1051

**Kansas**  
Kansas Small Flows Assoc.  
www.ksfa.org; 913-594-1472

**Kentucky**  
Kentucky Onsite Wastewater Assoc.  
www.kentuckyonsite.org  
855-818-5692

**Maine**  
Maine Assoc. of Site Evaluators  
www.maine.com

Maine Assoc. of Professional Soil Scientists  
www.mapss.org

**Maryland**  
Maryland Onsite Wastewater Professionals Assoc.  
www.mowpa.org; 443-570-2029

**Michigan**  
Michigan Onsite Wastewater Recycling Assoc.  
www.mowra.org

Michigan Septic Tank Assoc.  
www.msta.biz; 989-808-8648

**Minnesota**  
Minnesota Onsite Wastewater Assoc.  
www.mowa-mn.com; 888-810-4178

**Mississippi**  
Mississippi Pumpers Assoc.  
www.mspumpersAssoc.com  
601-249-2066

**Missouri**  
Missouri Smallflows Organization  
www.mosmallflows.org  
417-631-4027

**MRP**  
MILWAUKEE RUBBER PRODUCTS

**HOSE & EQUIPMENT SPECIALISTS**

**Kanaflex**  
Hose Distributor

**Fast Shipping!**

**www.MilwaukeeRubber.com 800-325-3730**

### Nebraska

Nebraska On-site Waste Water Assoc.  
www.nowwa.org; 402-476-0162

### New England

Yankee Onsite Wastewater Assoc.  
(Massachusetts, Connecticut, Maine, New Hampshire, Rhode Island and Vermont)  
www.yankeehome.org; 781-939-5710

### New Hampshire

New Hampshire Assoc. of Septage Haulers  
www.nhash.com; 603-831-8670

Granite State Onsite Wastewater Assoc.  
www.gsdia.org; 603-228-1231

### New Mexico

Professional Onsite Wastewater Reuse Assoc. of New Mexico  
www.powranm.org; 505-989-7676

### New York

Long Island Liquid Waste Assoc., Inc.  
www.lilwa.org; 631-585-0448

### North Carolina

North Carolina Septic Tank Assoc.  
www.ncsta.net; 336-416-3564

### North Dakota

North Dakota Onsite Wastewater Recycling Assoc.  
701-650-8792

### Ohio

Ohio Onsite Wastewater Assoc.  
www.ohionsite.org; 740-828-3000

### Oklahoma

Oklahoma Onsite Wastewater Assoc.  
918-727-7113

### Oregon

Oregon Onsite Wastewater Assoc.  
www.o2wa.org; 541-389-6692

### Pennsylvania

Pennsylvania Assoc. of Sewage Enforcement Officers  
www.pa-seo.org; 717-761-8648

Pennsylvania Land Improvement Contractors of America  
www.pennsylvanialica.com  
724-866-1082

Pennsylvania Onsite Wastewater Recycling Assoc.  
www.powra.org

Pennsylvania Septage Mgmt. Assoc.  
www.pasma.net; 717-763-7762

### Tennessee

Tennessee Onsite Wastewater Assoc.  
www.tnonsite.org.

### Texas

Texas On-Site Wastewater Assoc.  
www.txowa.org; 409-718-0645

Education 4 Onsite Wastewater Management  
www.e4owm.com; 713-774-6694

### Utah

Utah Onsite Wastewater Assoc.  
www.utahonsite.org; 385-501-9580

### Virginia

Virginia Onsite Wastewater Recycling Assoc.  
www.vowra.org; 540-377-9830

### Washington

Washington On-Site Sewage Assoc.  
www.wossa.org; 253-770-6594

### Wisconsin

Wisconsin Onsite Water Recycling Assoc.  
www.wowra.com; 888-782-6815

Wisconsin Liquid Waste Carriers Assoc.  
www.wlwca.com; 888-782-6815

### NATIONAL

Water Environment Federation  
www.wef.org; 800-666-0206

National Onsite Wastewater Recycling Assoc.  
www.nowra.org; 978-496-1800

National Assoc. of Wastewater Technicians  
www.nawt.org; 800-236-6298

### CANADA

Alberta  
Alberta Onsite Wastewater Management Assoc.  
www.aowma.com; 877-489-7471

British Columbia  
WCOWMA Onsite Wastewater Management of B.C.  
www.wcowma-bc.com  
877-489-7471

British Columbia Onsite Sewage Assoc.  
www.bcossa.org; 778-432-2120

Manitoba  
Manitoba Onsite Wastewater Management Assoc.  
www.mowma.org; 877-489-7471

Onsite Wastewater Systems Installers of Manitoba, Inc.  
www.owsim.com; 204-771-0455

New Brunswick  
New Brunswick Assoc. of Onsite Wastewater Professionals  
www.nbaowp.ca; 506-455-5477

Nova Scotia  
Waste Water Nova Scotia  
www.wwns.ca; 902-246-2131

Ontario  
Ontario Onsite Wastewater Assoc.  
www.oowa.org; 855-905-6692

Ontario Assoc. of Sewage Industry Services  
www.oasisontario.on.ca  
877-202-0082

Saskatchewan  
Saskatchewan Onsite Wastewater Management Assoc.  
www.sowma.ca; 877-489-7471

Canadian Regional  
Western Canada Onsite Wastewater Management Assoc.  
www.wcowma.com; 877-489-7471



## TRANSPORT TRUCK SALES AND TRANSPORT TANK SALES

Ask for Scott – 888-395-7551  
After hours call Scott at 816-590-4076  
Delivery Available Anywhere  
in the Lower 48!!

www.TransportTruck.com  



**2010 Hino 268**, 220 HP, Allison Auto, NON CDL,  
**NEW** 1800 gallon steel vac tank,  
**NEW** Masport Viper fan cooled pump.  
**Call For Pricing!**  
**1-YEAR NATIONWIDE DRIVE TRAIN WARRANTY**



**2015 Freightliner M2**, Cummins 250 HP, 33# GVW,  
AUTO, New 2500 gallon steel vac tank,  
**NEW** Masport Viper pump  
**Call For Pricing!**  
**1-YEAR NATIONWIDE DRIVE TRAIN  
AND EMISSIONS WARRANTY**



**NEW 2024 Kenworth T380**, PX7 280 HP,  
Allison AUTO, 33# GVW, **NEW** 2500 Gallon Alum.  
Vac tank, **NEW** R260 Jurup Razor Pak pump.  
**Call for complete specs and pricing!**



**NEW 2023 Kenworth T280**, PX 7 260 HP, Allison  
Auto, NON CDL, **NEW** 1800 Gallon steel or 2000 Gal-  
lon Alum. Tank, choose your pump, Chassis on the  
ground now! Ready to build!  
**Call for complete specs and pricing!**



**2012 Freightliner M2**, Cummins 250 HP, 33# GVW,  
AUTO, New 2500 gallon steel vac tank,  
**NEW** NVE 607 Pro pump  
**Call For Pricing!**  
**1-YEAR NATIONWIDE DRIVE TRAIN  
AND EMISSIONS WARRANTY**



**2013 Hino 338**, JOE8 260 HP, Allison AUTO,  
33# GVW, New 2500 gallon steel vac tank,  
**NEW** Masport Viper pump.  
**Call For Pricing!**  
**1-YEAR NATIONWIDE DRIVE TRAIN WARRANTY**





# S.O.S. Septic

Englewood, Florida



## Get FIT in the right pumper truck!



**2024 114SD**, 5000-Gallon Aluminum, DD13 505 HP, Allison 4500 RDS, 20,000# FA/46,000# RA, Pusher Axle, NVE 4310 Blower, Air Ride Suspension.

*(2,500, 4,000 & 4,200-Gallon Chassis & Tank Set-ups also available.)*



**Call 608-438-4816**

See our entire inventory at [truckcountry.com](http://truckcountry.com)



TRUCK SALES • EXPERT SERVICE • PARTS • FINANCING



Owner Terry Jacobson added a silver metallic 2019 Peterbilt 389 with a 5,800-gallon aluminum tank and Fruitland 500 pump built out by Engine & Accessory. The truck is powered by a 525 hp Cummins X15 Performance Series engine and Allison 6-speed automatic transmission. Features include a Bruderer full-opening rear hatch and hoist, three sight glasses, custom hose tray, 4-inch inlet and 6-inch dump valve. The interior features AC, leather upholstery, air-ride seat and Bluetooth stereo. Graphics were provided by Monarch Direct. Jared Wood is the driver and the truck is used for septic and grease trap pumping. **P**

### SHOW US **YOUR** CLASSY TRUCK!

**Got a truck with real WOW appeal? Show it off to Pumper readers!**

Send photos of your vacuum truck after it has been lettered with your company name. Please limit your submission to one truck only.

Your Classy Truck submission must include your name, company name, mailing address, phone number, and details about the truck, including tank size, cab/chassis information, pump information, the company that built the truck, and any other details you consider important. In particular, tell us what features of the truck help make your work life more efficient and more profitable. Email your materials to [editor@pumper.com](mailto:editor@pumper.com).

**We look forward to hearing from you!**



# TRUCK INSURANCE CRAZY?

Slim your fleet with the **ONE** truck that does it all!



Why Buy 2 Trucks when **1 TRUCK Does It ALL**

350 Gallons of Freshwater in the FLATBED



585-484-7009 | sales@portalogix.com  
PortaLogix.com



888-VAC-UNIT | 888-822-8648 | Fax: 856-627-3044  
E-mail: sales@vacuumsalesinc.com | parts@vacuumsalesinc.com | www.VacuumSalesInc.

## Trucks for all applications.



Truck mounted combination vacuum & jetter units



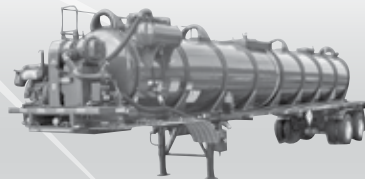
Truck mounted D.O.T. certified and non D.O.T. wet/dry industrial loaders



Truck mounted, vacuum type, street sweepers



Truck mounted D.O.T. certified, vacuum tanks



D.O.T. certified & non D.O.T vacuum tank trailers



Truck mounted, septic & grease, vacuum tanks



Truck mounted portable toilet services units

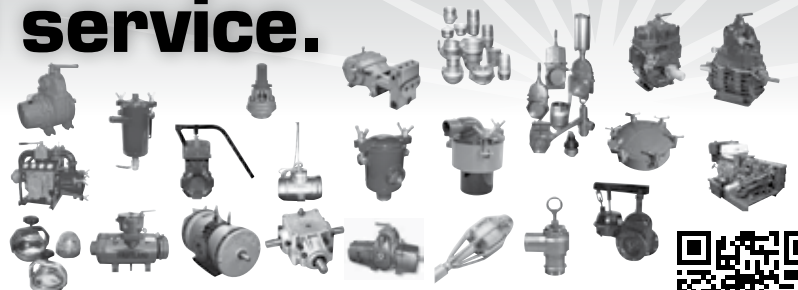
## In-house parts and service.

Service

- D.O.T. Cargo tank testing, inspections, and reminders
- Pump packages installed
- P.T.O.s and hydraulic systems
- Tank repairs and overhaul
- Repairs and services to all types of equipment designs
- Fabrication and alterations
- Preventative maintenance
- Tank swing overs, chassis alterations
- Vacuum pumps, blowers, and water jetters rebuilt
- Pick-up and delivery available

Parts

- Vacuum Pumps (All major brands available)
- Pump rebuild kits
- Pump mounts and drives
- Filter bags and final filters
- Valves: Brass, Steel, Stainless
- Tank components & accessories
- Hose and hose fittings
- Jetting nozzles & accessories
- Same day shipping or local pick-up
- Online catalog







Craig Taylor

### Infiltrator Water Technologies announces new executive vice president

Infiltrator Water Technologies announced the retirement of Roy Moore and the appointment of Craig Taylor to the role of executive vice president. Moore joined Infiltrator in 1987 and served as CEO from 2005 until Advanced Drainage Systems acquired the company in 2019 and continued his leadership role at Infiltrator until his retirement. Taylor joined Infiltrator in February 2020 as vice president of finance. Before joining Infiltrator, he served in a variety of roles with Stanley Black and Decker from 2003 until 2019, most recently as vice president of finance.



Bjorn Haldorsen

### Bjorn Haldorsen promoted to SJE chief executive officer

Bjorn Haldorsen has been promoted to chief executive officer at SJE. He joined SJE in 2022 as president of the Engineered Division. Current CEO, Mike Suter will transition to SJE's board of directors. Prior to joining SJE, Haldorsen was president of North America at Colson Group, leading its North American business operations. He spent 18 years at Flowserve Corp. and served in various regional and global leadership roles, most recently vice president and general manager for Industrial Pump Operations.



Al Hilde Jr.

### Founder of Satellite Industries, Al Hilde Jr., Passes Away

Al Hilde Jr., a pioneer in the portable sanitation industry as the founder of Satellite Industries, passed away July 28, at his home in Jackson Hole, Wyoming. He was 90.

Following a stint in the U.S. Army, Hilde started Satellite Industries in Plymouth, Minnesota, in 1958 offering service with a handful of wooden restrooms. He grew the business to become a worldwide supplier of portable restrooms, restroom trailers, trucks and other accessories.

Hilde played an important role in starting and supporting the Portable Sanitation Association and received many business accolades during his career. Among them was the Minnesota Governor's Award for Outstanding Achievement in Community Economic Development and TwinWest Chamber of Commerce Entrepreneur of the Year.

Through his sports activities and time serving in the military, Hilde noted there were never adequate sanitation options for people working or playing in the outdoors. His goal from the start was to offer proper sanitation to those taking part in outdoor activities, he explained in an interview with the Minnesota Historical Society.

"When playing outdoors there were no restrooms. The only real negative about being outdoors was the lack of sanitation," he said in the historical society interview. "From the beginning, I was driven to put dignity into the business. We always used the term 'portable restrooms' and looked at our business in terms of meeting specific business needs of society."

According to the portable sanitation history book, PSAI Through the Decades, Hilde named his company Satellite because space travel was top of mind as the U.S. entered the space race and sought to put a man on the moon.

In addition to pioneering industry manufacturing, Hilde wanted to help bring greater professionalism to the restroom industry. In 1971, he was elected to the first board of directors of the Portable Sanitation Association, which recently celebrated its 50th anniversary and is now called the Portable Sanitation Association International.

In 1972, Hilde started producing the lighter and more durable polyethylene restroom units that dominate the industry today. Satellite eventually sold the restroom service side of the business and concentrated on expanding to new manufacturing and distribution locations and offering the company's products worldwide.

He owned other companies as well, including Satellite Shelters, which manufactures mobile offices and modular buildings. He also started Jackson Hole Aviation and purchased Western Aircraft, which came from Hilde's love of flying as he logged more than 10,000 hours as a pilot.

Hilde also served as the mayor of Plymouth for five terms, and was president of the Hennepin County League of Municipalities, president of the Minnesota Executives Organization, director of the Minnesota Orchestra, as well as many other civic and philanthropic pursuits. He and his wife, Jayne, made a major contribution to establish the Hilde Performing Arts Center in Plymouth.

According to a remembrance released by Satellite, "Al's passion for improving global health and continuous innovation is an inspiration to us to this day ... He believed that portable toilet service would be an essential service for many to provide dignity, convenience, privacy and moreover to protect public health and the environment."

Hilde's son, Todd Hilde, Satellite's owner and chief executive officer, said of his father, "My dad's greatest gift to me was teaching me to love Satellite. Satellite was always the center of our family during our upbringing. We talked about Satellite over dinner each night and it was always a big focus of our family."

Hilde is survived by his wife, three sons, grandchildren and great grandchildren. A celebration of life will be held Aug. 15 at Wayzata Community Church in Wayzata, Minnesota.



Lauren Nickel

### SSPMA names 2023 scholarship program recipients

The Sump and Sewage Pump Manufacturers Association announced that Lauren Nickel and Caden Fickes have been selected as the recipients of the 2023 SSPMA scholarship program. Nickel and Fickes will receive \$2,500 scholarships. Nickel attends Western Kentucky University working toward a degree in computer science with a concentration in scientific/systemic application. Fickes attends Bowling Green State University working toward a degree in Business Administration. The scholarship program is open to students working toward an associate, bachelor's, master's degree or appropriate certification/trade associated with wastewater management. Applicants for 2024 may apply online at [www.sspma.org](http://www.sspma.org) beginning Feb. 1, 2024.



Caden Fickes

**It's Your Magazine. Tell Your Story.**

Pumper welcomes news about your company or services.

**Send your ideas to [editor@pumper.com](mailto:editor@pumper.com).**



## Transport Truck Sales launches new tank sales and manufacturing company

Transport Tank Sales of Kansas City, Kansas, was formed in direct relationship to Transport Truck Sales. With more than 50 years of experience in truck and tank sales, repairs and upfitting, the company provides a one-stop shop for all aspects of the septic industry. The company also handles installation. All types of tanks are available, from the bare minimum to completely painted units, and are constructed in steel, stainless steel and aluminum.

## Wastequip opens new WRX facility in Southern California

Wastequip opened its newest WRX (pronounced “works”) facility in Jurupa Valley, California. The facility is part of the company’s strategy to expand its parts and service footprint nationwide, providing customers with an all-in-one waste equipment service hub. The Jurupa Valley WRX location offers convenient access to localized parts inventory and pickup. Later this year, the facility will begin offering service for refuse trucks, hoists, tarping systems and related waste equipment. **P**



### Join Us Online



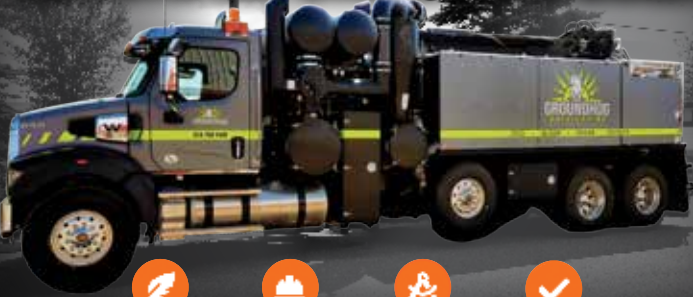
[Facebook.com/PumperMag](https://www.facebook.com/PumperMag)



[Twitter.com/PumperMag](https://twitter.com/PumperMag)

[LinkedIn.com/company/pumper-magazine](https://www.linkedin.com/company/pumper-magazine)

## COST EFFECTIVE. EFFICIENT. LIGHTWEIGHT.



LIGHTWEIGHT



SAFETY FOCUS



SUPERIOR DESIGN



EFFICIENT



1-844-GO-RIVAL

Rival Hydrovac Inc.  
Box 5, Major, SK S0S, 2H0  
[rivalhydrovac.com](http://rivalhydrovac.com)



IF YOU'RE LOOKING FOR HIGH QUALITY GRAPHICS, WRAPS, SIGNS, LOGO DESIGN, CANVAS PRINTS OR ALL TYPES OF APPAREL, GIVE US A CALL @ 403-358-5744, OR EMAIL ORDERS@GFORCEGRAPHICS.CA



# NAWT

National Association of Wastewater Technicians

## YOUR SOURCE FOR REAL LEARNING

### UPCOMING TRAINING & EVENTS

#### Inspector Training

##### NAWT Inspector by CPOW

November 15-16, 2023

Virtual Online Course

Contact: Lisa Nicoll: [cpow@cpow.net](mailto:cpow@cpow.net)

##### NAWT Inspector by CPOW

October 26-27, 2023

Virtual Online Course

Contact: Lisa Nicoll: [cpow@cpow.net](mailto:cpow@cpow.net)

#### Design

##### U of A Intro to Design of Onsite Wastewater Treatment Systems

October 16-17, 2023

Location: Payson, AZ

Contact: Aaron Tevik: [atevik@arizona.edu](mailto:atevik@arizona.edu)

##### U of A Advanced Design of Onsite Wastewater Treatment Systems

October 18, 2023

Location: Payson, AZ

Contact: Aaron Tevik: [atevik@arizona.edu](mailto:atevik@arizona.edu)

#### Installer

##### NAWT Installer by CPOW

October 11, 2023

Virtual Online Course

Contact: Lisa Nicoll: [cpow@cpow.net](mailto:cpow@cpow.net)

#### Soils Workshop

##### U of A Soils Course

October 23-25, 2023

Location: Prescott, AZ

Contact: Aaron Tevik: [atevik@arizona.edu](mailto:atevik@arizona.edu)

#### Operation and Maintenance Training

##### NAWT O&M 1 by CPOW

November 8-9, 2023

Location: Virtual Online Course

Contact: Lisa Nicoll: [cpow@cpow.net](mailto:cpow@cpow.net)

##### NAWT O&M 2 by CPOW

December 6-7, 2023

Location: Virtual Online Course

Contact: Lisa Nicoll: [cpow@cpow.net](mailto:cpow@cpow.net)

### ATTENTION:

**IMPORTANT DATE: Date Change on the Hapchuck Scholarship Application**

The Hapchuck Scholarship application submission date has changed for the 2024 scholarship. Due to the 2024 date of the WWETT show moving to January 24th-27th, applications must be submitted by November 1st, 2023.

### SepticSmart Week is September 18 – 22

Check out NAWT's FaceBook page for more information and how you can participate in **SepticSmart Week**.

### Online Vacuum Truck Training Available!

Please visit our website for more information.

### Online NAWT DOT CDL Pre and Post Trip Inspection Course

Please visit [NAWT.org/training.html](http://NAWT.org/training.html) to register.

# 800-236-6298 • WWW.NAWT.ORG





**CSI Controls CSION 4X indoor/outdoor alarm system**

CSI Controls' newest tank alarm, the CSION 4X indoor/outdoor alarm system, features a unique front cover design. The system is suitable for lift

pump chambers, sump pump basins, holding tanks, sewage, agricultural and other water applications. The NEMA 4X enclosure, designed for ease of installation, is rated for indoor and outdoor use. The enclosure is made of weatherproof engineered thermoplastic to protect against windblown dust and rain, splashing water, hose-directed water and external ice formation. Its C-style red flashing beacon is powered by bright LEDs for 180-degree visibility. The alarm horn sounds at 90 dB and can be silenced but the beacon remains active until the condition is remedied. Once cleared, the alarm will automatically reset. This alarm system can serve as a high- or low-level alarm depending on the float switch used. Other standard features include an external alarm test/silence switch, latching lockable cover, and auxiliary contacts for remote devices. **218-847-1317; www.csicontrols.com**

*in the*  
**SPOTLIGHT**  
By Craig Mandli



**HYDROEXCAVATION TRUCK DESIGNED TO MAXIMIZE OPERATOR EFFICIENCY**

Hydroexcavation contractors are constantly asked to do more work in less time. That means they need the right equipment. To enhance productivity while performing work such as potholing or cleaning up spills and debris, Ditch Witch has introduced the W12 truck vac to its lineup. The first offering in Ditch Witch's new line of Warlock vacuum excavators, the W12 gives contractors a PTO-driven vacuum excavator backed by the support of the global Ditch Witch dealership network.

"If you need to get your unit serviced, you just bring it to one of our dealers, and you are back up and running quick," says Chris Thompson, vacuum excavation product manager at Ditch Witch.

The W12 brings the capacity, versatility and performance technicians are looking for, according to Thompson, with 1,200 gallons of freshwater and a 12-cubic-yard debris tank. With 5,000 cfm and a 27 inches Hg of vacuum power, coupled with the larger storage capacity, crews can take on bigger jobs and maximize time on the job site, which will reduce time spent dumping debris, he says.

"The increased versatility and capacity of the W12 allows crews to improve productivity and decrease downtime on even the toughest job sites," Thompson says. "Operators can stay on the job longer with the large tank capacity and powerful vacuum, eliminating the need to bring in another crew."

The design and layout of the debris tank positioned between dual 600-gallon saddle tanks of freshwater creates a more stable truck, improving operator experience. A remote control system controls the water system and boom, and can lift and lower the tank. The W12's dual hose reels coupled with the ability to use both a hydro and air method enable crews to use one machine for a variety of excavation tasks, even in harsh environments. Together, the size and versatility of the W12 allows it to be used for slot trenching, horizontal directional drilling, potholing and more.

**580-336-4402; www.ditchwitch.com P**



51 Stone Road, Lindenwold, NJ 08021

**Order Discounted Pumps Online**  
24 hours a day 7 days a week

**www.vacuumsalesinc.com**  
parts@vacuumsalesinc.com



*We Service  
What We Sell*

VISA Discover PayPal **800-547-7790 • fax: 856-627-3044**

**T&T Tools, Inc.**  
**800-521-6893**

**THINK SAFETY  
 & CHOOSE  
 THE MIGHTY PROBE**  
 Tested Up To 50,000 Volts



**CALL for a  
 FREE Catalog**

Many Styles Available  
[www.mightyprobe.com](http://www.mightyprobe.com)

OUR BEST SELLING DRAIN LINE JETTER!

**HOTJET II**  
 10GPM @ 4000 PSI • 35HP VANGUARD  
 Cleans 2-1/2" Drains with Hot OR Cold Water



TRAINING AND  
 FREE  
 WARTHOG  
 NOZZLE  
 INCLUDED!


OVER 30 YEARS  
 BUILDING QUALITY  
 EQUIPMENT

**HotJetusa**  
**1-800-624-8186**  
[WWW.HOTJETUSA.COM](http://WWW.HOTJETUSA.COM)  
 PRICES SUBJECT TO CHANGE - CALL FOR CURRENT PRICING

**EASY-KLEEN**  
 PRESSURE SYSTEMS LTD.  
 MANUFACTURER OF HIGH PRESSURE CLEANING EQUIPMENT

**WOLVERINE**  
 DRY STEAM GENERATORS

20/30/40/50 BHP  
 Up To 2,000,000 BTU  
 Curing  
 Thawing  
 Degreasing  
 Degassing  
 Melting  
 Cleaning & Restoring  
 Prepping Surfaces  
 for Paint  
 Purifying  
 Weed Control



**YouTube**  
[www.youtube.com/easyklean](http://www.youtube.com/easyklean)  
**1-800-315-5533**  
[www.easyklean.com](http://www.easyklean.com) - [sales@easyklean.com](mailto:sales@easyklean.com)

**EASY-KLEEN**  
 PRESSURE SYSTEMS LTD.  
 MANUFACTURER OF HIGH PRESSURE CLEANING EQUIPMENT

**VAN PACK JETTERS**  
 12 GPM @ 3500 PSI



**OPEN JETTER  
 TRAILERS** GROUNDHOG  
 JETTER



20 GPM @ 4000 PSI  
**ENCLOSED JETTER TRAILERS**  
 (Hot Water)



**VACUUM TRUCK HEATERS**  
 440,000 BTU to 4,000,000 BTU



**YouTube**  
[www.youtube.com/easyklean](http://www.youtube.com/easyklean)  
**1-800-315-5533**  
[www.easyklean.com](http://www.easyklean.com)  
[sales@easyklean.com](mailto:sales@easyklean.com)

**AMERICAN  
 JETTER.COM**

**Up to 67%  
 MORE EFFICIENT**



51T Trailer Jetter Hot or Cold  
 20 GPM @ 4000 PSI  
 76 HP Kohler EFI  
 FREE Shipping/Delivery



58 Trailer Jetter Hot or Cold  
 10 GPM @ 4000 PSI  
 38 HP Kohler EFI  
 FREE Shipping/Delivery

**866-944-3569**

**Surco**  
**Fresh Lube**  
 Pump Oil Odor Control Additive



*Counteracts offensive  
 exhaust odors  
 generated by  
 septic vacuum  
 pumps*

**SURCO**  
 PORTABLE SANITATION PRODUCTS  
 800.556.0111  
[surco.com](http://surco.com)

**Surco**  
**Potty Fresh Plus**  
 Portable Toilet Deodorant



Powerfully-effective  
 odor control liquid  
 portable toilet deodorant!  
 Non-Formaldehyde • Deep Blue Non-Staining Dye

**SURCO**  
 PORTABLE SANITATION PRODUCTS  
 800.556.0111  
[surco.com](http://surco.com)

R. Nesbit Portable Toilets introduces:  
**The Sani-Klip**

A COST  
 EFFECTIVE  
 SOLUTION  
 FOR  
 PROVIDING  
 ALL OF YOUR  
 CUSTOMER'S  
 HAND  
 SANITIZER



**CONTACT: KATIE/AMY**  
 R. NESBIT PORTABLE TOILETS  
**724-652-8232**  
[www.best-portable-toilets.com](http://www.best-portable-toilets.com)

**Irwin Septic**  
 Pumping - Flushing - Service  
 (800) 888-8718

**FREE  
 PRIVATE LABELING**

Drainfield Solutions  
 Root Control - Septic Solutions  
 Grease Solutions

**www.lenzyme.com**  
**800-223-3083**

Receive Email News Alerts At  
[Pumper.com/alerts](http://Pumper.com/alerts)

**Pumper**





# CLASSIFIEDS

See photos in color at [www.pumper.com](http://www.pumper.com)

## BUSINESSES

For Sale: Family owned and operated Portable Toilet Rental. Located in Southern Colorado in the heart of the rocky mountain. Serving 5 Counties in the San Luis Valley. 175 units, 3 double trailers, 3 single trailer, 5 stand alone wash stations. 1994 3500 GMC, 2009 3500 Dodge. Stable customer base. 719-480-5301. Asking \$250,000.

(P09)

SEPTIC PUMPING and EXCAVATION BUSINESS for SALE in MONTANA. Well established business for 39 years. Top rated septic business. Established in 1984. Owner retiring. For information call 406-245-7593.

(P09)

Join a Growing Organization. If you thought about selling your pumping business now is the time to contact us for a serious discussion about a potential acquisition. We are a growing company covering Rhode Island, Massachusetts, Southern New Hampshire and Connecticut via our Massachusetts and Rhode Island locations. We would like to speak with you about your business, employees, and equipment today. Please contact us, leave your company name, your name, contact number and e-mail and we will be in touch (all calls go to answering service and you will receive a call back quickly). Looking forward to speaking with you. Thank you Consultant Services, Inc.

(401) 339-9992 (PBM)

[www.RooterMan.com](http://www.RooterMan.com). Franchises available with low flat fee. New concept. Visit web site or call 1-800-700-8062.

(PBM)

## DEWATERING

Used dewatering boxes and accessories for dewatering equipment. Call for details 979-245-5656.

(PBM)

## DRAINFIELD RESTORATION



**New & Used TERRALIFT machines**  
Terralift parts and beads. Aerratech Solutions LLC, 413-394-4567 or cell- 413-441-1140. Call and learn how the TERRALIFT machine can earn your business an **extra \$250,000 in revenue a year.** (PBM)

## HAZARDOUS WASTE UNITS

Presvac 2,300 U.S. gallon, Carbon Steel with a Masport H15W vacuum pump installed on a 1993 Chevy Kodiak cab and chassis. Stock# 6615C [www.VacuumSalesInc.com](http://www.VacuumSalesInc.com), (888) VAC-UNIT (822-8648). (PBM)

2024 Peterbilt 548 cab & chassis with 3,200 gallon, C/S, DOT, full open rear door, dump type unit with A Presvac PV750 pump (Coming in December) Stock# 14116. [www.VacuumSalesInc.com](http://www.VacuumSalesInc.com), (888) VAC-UNIT (822-8648). (PBM)

2024 Freightliner 108SD cab & chassis with 3,200 Gallon, C/S, DOT, full open rear door, dump type Unit with a Presvac PV750 pump (coming in December) Stock# 14131. [www.VacuumSalesInc.com](http://www.VacuumSalesInc.com), (888) VAC-UNIT (822-8648). (PBM)

1997 Ford with Cusco 3,200-gallon DOT certified dump and door liquid vacuum truck. Cat engine with Moro M9 vacuum pump. Runs and pumps excellent. \$29,500. KLM Companies 617-909-9044 (PBM)

## JETTERS – TRAILER

2023 US Jetting 4018-300 jet trailer. Stock# 14107. (888)VAC-UNIT (822-8648) [www.vsirentalsllc.com](http://www.vsirentalsllc.com). (PBM)



**The HotJet II®** is a best-selling hot- and cold-water drainline cleaner featuring a 35hp Vanguard engine by Toyota and delivering 10gpm @ 4,000psi that cleans drains up to 300' and 12" in diameter. The HotJet II® is American made using nonproprietary parts for affordability and ease in serviceability making its return on investment truly impressive. Prices subject to change. Financing available. Contact us for current pricing and availability **800-624-8186; sales@hotjetusa.com; www.hotjetusa.com** (PBM)

1999 Harben 4016-300 Jet Trailer (Stock #200SC) (888)VAC-UNIT (822-8648) [www.vsirentalsllc.com](http://www.vsirentalsllc.com). (PBM)



**Model 747 SECA trailer jet.** LOW hours, excellent shape! \$19,000. Call Kelly for more details. **608-835-7767.** (PBM)

## JETTERS – TRUCK



**1998 Mack RD688S** Triplex OPI 500AWS Frac Pump Truck. 500HP power rating, Detroit 12 cylinder diesel engine, Alison 750 5-speed transmission, T/A carrier, spring suspension. OPI pump, 3 1/2 plunger, 10,000 PSI max, 300 GPM max. **Mileage 18,491. \$30,000. 412-384-9327 or Hydrotech@comcast.net.** (P09)



**1985 Mack DM685S** Triplex OilWell SA640-5 Frac Pump Truck. 500hp power rating, Detroit 12 cylinder diesel engine, Alison 750 5-speed transmission, T/A carrier, spring suspension. OILWELL MAX 8,000 PSI, MAX 450 GPM, 4" plunger. Mileage 56,844. **\$30,000. 412-384-9327, 412-384-9324 or Hydrotech@comcast.net.** (P09)

## JET VACS

2023 Freightliner 114SD cab & chassis with a Vacall AJV1215 Combination Jet/Vac – 12 cubic yard debris & 1,500-gallon water – Roots 824 blower with General 87 GPM @ 2,000 PSI water pump (coming in October) Stock# 14079 [www.VacuumSalesInc.com](http://www.VacuumSalesInc.com), (888) VAC-UNIT (822-8648). (PBM)

**Pumper Classifieds Work!**

2023 International HV513 with a VacAll AJV1215; 12 yard debris body, 1500 gallons water, Combination vacuum / Jetting unit. Stock# 14130 [www.VacuumSalesInc.com](http://www.VacuumSalesInc.com), (888) VAC-UNIT (822-8648). (PBM)

## LEASE/FINANCING

Western Equipment Finance, a bank-owned direct lender, is committed to continuing to help you prosper. All Equipment Types, New or Used; we have the best rates and terms you deserve. App-Only Financing and credit decisions within an hour. Call the team you can TRUST, Jim Stekl at Western Equipment Finance 701-665-1647. [jim.stekl@westernequipmentfinance.com](mailto:jim.stekl@westernequipmentfinance.com) (PBM)

## PARTS & COMPONENTS



**Clear the Main Line with ease,** JnA Main Line Vac. Just hook the line vac to your hose, insert the incoming mainline pipe and watch the line come clean. Works on 3" & 4" pipe. Free shipping in the US. \$149.99. **Order at [jnamainlinevac.com](http://jnamainlinevac.com). 919-559-9344.** (PBM)

## PORTABLE RESTROOM



**50 PolyJohn Polylift Hi Rise units.** All in perfect, rentable condition with everything working. This unit retails for \$1,440 new. Buy our used ones for \$500. Customer is responsible for shipping or pick-up in New York. **Call 800-634-2085.** (P10)



**100 brown and tan Satellite** Tuffway portable toilets for sale. All units are in rentable condition. \$175 each. Customer is responsible for delivery or pick-up in N.Y. **1-800-634-2085.** (P10)

PLACE YOUR AD ONLINE AT [WWW.PUMPER.COM](http://WWW.PUMPER.COM) – IT'S ALWAYS THERE TO MEET YOUR BUSY SCHEDULE



**75 orange and grey Satellite** Hi-Tech units. We have sold over 1,000 of these units this year. This is the strongest portable toilet ever built. \$150 each. Customer is responsible for delivery or pick-up in N.Y. **1-800-634-2085. (P10)**



**75 Berry colored Satellite** Taurus portable toilets for sale. Includes flush kit, sink, soap dispenser and paper towel holder. These are event quality toilets in good rentable condition. \$350 per unit. Customer is responsible for shipping or pick up in N.Y. **1-800-634-2085. (P10)**



**50 Five Peaks** portable toilets for sale. Includes flush kit, sink, soap dispenser, and paper towel holder. These are event quality toilets in good rentable condition. \$500 per unit. Customer is responsible for shipping or pick-up in N.Y. **1-800-634-2085. (P10)**



**150 Satellite Hi-Tech** orange/grey portable toilets for sale. All are in perfect, rentable condition. These are the STRONGEST units ever built and we've sold over 700 in the last 6 months to customers across the US at a very below value price of only \$150 per unit. **Customer is responsible for pick-up or for setting up shipping from NY. Call 1-800-634-2085. (P09)**



**200 brown and tan Satellite** Tufway Portable Toilets, all in rentable condition. Take advantage of these used units while they're still available. \$175 per unit. Customer is responsible for pick-up from N.Y. **Call 1-800-634-2085 (P09)**

## PORTABLE RESTROOM TANKS



**Call-A-Head is upgrading its fleet.** We have six more of the thirteen tanks we are selling left!!! Best Enterprises stainless steel tank with skirting and pump ready to mount. 700 waste, 350 water with a Conde SDS series pump. These will sell fast at just **\$19,500.00. Call 1-800-634-2085. N.Y. (P11)**

## PORTABLE RESTROOM TRUCKS



**2007 4300 International Septic truck.** New engine, 1250/450 tank. New transmission, New Jurap Vacuum pump, New PumpTec pressure washer, New tires, New brakes, Stainless Steel Tank. Air brakes. Passed MD DOT Inspection. Porta Potty rack on the back. Reducing the fleet. Detailed Specifications Condition: Used Year: 2007 Make: International Model: 4300 Class: CLASS 6 (GVW 19501 - 26000) Category: Septic Location: Upper Marlboro, MD VIN: 1HTMMAAL87H395791 Engine Model: DT466 Color: WHITE Interior Color: BLACK Options: Air Brakes, Air Conditioning, Air Seat, AM/FM Radio, Autoshift Transmission, DOT Inspected, Power Steering, PTO Prep, Turbo, Under CDL **\$50,000.00, 202-330-2211. (P09)**



**2015 Ram 5500 diesel,** auto, Satellite MD 950 with Masport pump and two unit carrier, mileage 253K, \$43,000. 2012 Ram 5500 mileage 212K, \$39,000 and a 2013 Ram 5500 mileage 194K, **\$39,000, both have same Satellite set up as 2015. Call 845-883-7880. (P09)**



**2024 Ford F-550 4WD 330HP Diesel** Auto Trans. Has Lane assist, Adaptive cruise control, Back up camera on LED screen, chrome package etc... 1250 Gallon Aluminum tank with 350 gallons of fresh water and a Massport HXL75 Engine Driven pump 230 CFM Call Jonathan @ 501-388-9565 or email [Jonathan.Ironvac@gmail.com](mailto:Jonathan.Ironvac@gmail.com) **for made to order units and stock units. (P09)**



**2018 Ford F550** 900/350, 155,000 miles **\$65,000.00 obo 850-556-7824 (P09)**



**We have (2) 2019 F650 Vacuum Trucks.** Automatic transmission. Diesel 6.7. Air brakes 26Kgww. Both trucks have 1,500 gallon tanks with 50 gallons fresh. Miles for truck One is 76,796.2 Miles for truck 2 is 87,075.6. Call Action Pumping for more info 760-365-0861 or email at [sales@actionpumpinginc.com](mailto:sales@actionpumpinginc.com) **\$60,000 per truck. (P09)**



**I have two truck mount portable restroom units for sale.** Both came off 2022 Ram 5500 Chassis Cabs. The 1st one is off a Ram 5500 4x4 with an 84" CA chassis. The 2nd in of a Ram 5500 4x2 with a 60" CA Chassis. This sale is for the units only! They will bolt on any Ram, Ford or GM Chassis Cab. The 1st unit is a FlowMark 1275 375/900 It is in almost new condition, the build date on this unit was 7/22 the truck it was on had very low miles on it. So, it doesn't have very much use at all. This unit is in 100% working order. The 2nd unit is smaller. I don't know much about this unit as there were no Tags on it. I'm looking to sell as a package but will separate for the right deal! I can deliver or install on your Chassis for an added cost. It will only let me add 9 pictures. If you want more pics of the 2nd unit let me know. I'm looking for best offer. So, let's make a deal! If you have any questions don't hesitate to reach out. My name is Chris, you can reach me at **215-783-7376 Or Email me at [Chriswild@comcast.net](mailto:Chriswild@comcast.net) (P09)**



**2019 Chevy 5500 Duramax** with 160,000 miles 4X4 with a Amthol aluminum tank 1200 gallon 800/400, large storage boxes, two unit rack on the back. **\$84,000.00 Call 757-513-5106 (P09)**



2007 Freightliner, MBE900 Mercedes, 431k, Allison auto, 33k gww, 1,700-gal stainless tank, 350/1000/350, Masport HXL15 vac pump, 2 pot rack, new paint and tires. Great running truck. Finance and delivery available. **\$39,000. Hulls Truck Bodies LLC 740-820-5338. (P09)**

**Submit your classified ad online!**  
[www.pumper.com/classifieds/place\\_ad](http://www.pumper.com/classifieds/place_ad)

**Submit your classified ad online!**  
[www.pumper.com/classifieds/place\\_ad](http://www.pumper.com/classifieds/place_ad)

PLACE YOUR AD ONLINE AT [WWW.PUMPER.COM](http://WWW.PUMPER.COM) - IT'S ALWAYS THERE TO MEET YOUR BUSY SCHEDULE





**2007 HINO 185 Best Enterprises** stainless steel pump truck. Tank is 1050 gallons. 700 waste, 350 water. 96 toilet paper roll tool box. Conde SDS series. PTO driven pump. **\$39,000.00, 1-800-634-2085 (P09)**



**2007 International asking \$5000.00** for truck without tank or \$10,000.00 for truck with tank. Truck has not been started in awhile. Tank is 1300 waste and 500 fresh. **Mike or Jose 305-444-7681. (P09)**



**2014 Ram 5500.** 1,000-gal waste/400 fresh. Aluminum tank w/ Masport pumps. **Call 720-436-3910 for more info. (PBM)**



**2007 International 4300,** DT466, automatic, newly rebuilt Masport HXL75, newly rebuilt hydraulic pump, Best Enterprise stainless tank 1900/400, two unit rack on rear, service toilets from both sides of the truck, good tires, perfect unit to service restroom trailers and holding tanks. We sold our business and the new owner did not need this truck. **\$39,750. John 601-946-0615 or johnfoxups@gmail.com. Located in MS. (P09)**

**Sell Your Truck Here!**

[www.pumper.com/classifieds](http://www.pumper.com/classifieds)



**2006 HINO 185 stainless steel flatbed.** Holds 8 portable toilets. Truck runs great, automatic. **\$29,000.00. 1-800-634-2085, N.Y. (P09)**

2016 Hino 268, 1,500 waste/500 water - Flow Mark tank. 2011 International 4400, 1100 waste/500 water - steel tank. Best Enterprise system. \$50,000. Call for pictures. Anthony Boyett 850-712-3830 email- anthonyboyett@yahoo.com. (P09)

New Imperial 1300 U.S. gallon, portable toilet service unit mounted on a 2023 Ford F550 cab and chassis with a Masport HXL4 pump package. Stock #14121. **www.VacuumSalesInc.com (888) VAC-UNIT (822-8648). (PBM)**



**2017 Hino, J08E-VC,** diesel, 208k, auto trans, under cdl, AC, cruise, Amthor flat tank and lift gate, 800/400, 10 pot capacity, Masport HXL75 vac pump, DC10 water pump and hose reel, very clean great running truck. Finance and delivery available, **\$42,000.00 Hulls Truck Bodies LLC 740-820-5338 (PBM)**

2024 Peterbilt 548 cab & chassis with 4,000 gallon, Aluminum tank & NVE 887 pump package (Total of 4 units coming in April) Stock #14089. **www.VacuumSalesInc.com (888) VAC-UNIT (822-8648). (PBM)**

2024 Peterbilt 536 cab & chassis with 2,150-gallon, two compartments (1,600 waste - 550 water) with an NVE B250 blower package, a DC10 washdown pump, dual service, strobe package, toilet carrier and backup camera (coming in April). Stock# 14095. **www.VacuumSalesInc.com (888) VAC-UNIT (822-8648). (PBM)**

### POSITIONS AVAILABLE

Septic Installers and Pumpers needed! ASAP! In sunny Orlando, FL. Experience required (3+ years). Insurable CDL required for Pumper. Relocation reimbursement available. Experienced, professional team to work with, newer equipment. Professionals only. Lapinservices.com Call Chris. 321-436-0150. (P12)

## PUMPS



**Fruitland 500 lufh 338 cfm with secondary and bracket. 720-436-3910 (PBM)**

Buy & Sell all makes and models, new & used vacuum pumps, blowers, high-pressure water pumps, new and good used replacement parts. Buy discounted pumps online 24/7. Call us for a current inventory list. **www.VacuumSalesInc.com, (888) VAC-UNIT (822-8648). (PBM)**

## PUMPS VACUUM



**Fruitland 870LSFH hydraulic drive vacuum pump.** New removed from trailer only ran to test operation. Full package with oil catch muffler (steel cage not included). **Call 610-620-5830. Price is \$6,000 OBO. (P09)**

PLUG & PLAY 400 CFM...\$1,950 Several Used Masport and Fruitland Call 269-751-7167 or email truckservice1978@gmail.com We offer shipping. (P10)

## RENTAL EQUIPMENT

Liquid vacs, wet/dry industrial vacs, combination jetter/vacs, vacuum street sweeper & catch basin cleaner, truck & trailer mounted jetters. All available for daily, weekly, monthly, and yearly rentals. VSI Rentals, LLC, **(888)VAC-UNIT (822-8648) www.vsirentalilc.com. (PBM)**

## SEPTIC TANKS



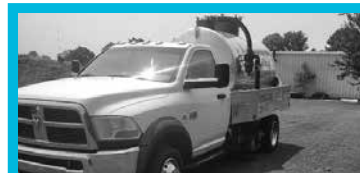
**NEW 2018 Curry Septic Tank 5,000G NEVER BEEN USED TANK ONLY CALL FOR MORE INFO! \$15,000. 786-340-7759 David. (P09)**



**2,300 gallon 1991 international 4900,** steel tank, Masport H75W, starts and runs well, pump is in good condition. **\$19,000 Justin 307-690-3247 (P09)**



**2,800-gallon aluminum vacuum tank,** never used or mounted due to not venturing in the direction it was built for. The specs are in one of the pictures. \$23,000. Located in Noel, Missouri. **Call 479-619-8226 or statelineptic@yahoo.com. (P09)**



**2013 Ram 5500,** 218k miles jurop PN58D, Honda GX390, 1250 gallon aluminum tank, 3" intake 6" discharge, all new tires, tank, pump, and pump motor new in 2020. **\$55,000 call 501-388-6777 for more info. (P09)**

## SEPTIC TRUCKS



**2005 Sterling LT9153 with an 4300 gallon Imperial painted Aluminum tank.** Wittig RFL 150 (overhauled 2021) liquid cooled pump. 3" riser, 3" backwash & 6" dump valve. 398,584 miles. Comes with hoses and jet with 200' reel. Tires better than average. Dashboard needs repair or replacement. Truck runs and works well. **Asking \$49,000.00. Call Kevin 508-509-0801 (P09)**



**2007 Sterling, 350 h.p Cat, 329k, 8LL trans, double frame, 20 front, 40 rears, AC, cruise, newer Moro PM90T vac pump, 3150 tank with hoist and full open rear door, very clean great running truck. Finance and delivery available, \$49,000.00 Hull's Truck Bodies LLC 740-820-5338 (P09)**



**2023 Ram 5500 Single(1250 Gallon Split Steel Tank 900/350) Almost Ready To Go! The Truck Has A 6.7 Cummins Engine, Aisin 6 Speed Auto Transmission, And The GVW Is 19.5k Phone Number: 501-388-0052 Email: Ironvac.Zach@septictrucks.com (P09)**



**2005 Sterling pump truck** specifics in pics. 3600 Gal tank Jurop LC 420 pump, pump is around 3 years old. Truck is being used until sale. Manual transmission 10 speed. Selling due to upgrade. Detroit motor. Has been serviced and kept up well. Tires have about 50% tread life left. **Call or text 912-572-3373, 30k. (P09)**



**2014 Freightliner Septic Pump Out Truck, 2500 Gallon Tank, 250k+ miles. \$49,999 and you'll be pumping! 904-315-4315 (P09)**



**2004 International, DT 530, 240k miles, with 4800 gallon aluminum tank-(4400 gal. Sewer /400 gal fresh water) 10 speed Eaton fuller, digital sea level gauge w/ 10 gpm PTO jetter - Great truck, runs daily asking **120k OBO. 713-992-0916 text best. (P10)****



**MACK RD690S ROLL OFF, WITH MACK 300 hp., 7 speed mack trans., 44000 rears, 20000 front axle, and air drop tag axle. Set u wlaux. Hydraulics to operate vacuum on 4000 gal. Badger septic roll off tank.comes with 30 c.y dumpster to haul solid waste. ONE TRUCK DOES IT ALL!. BOUGHT NEW, NOW RETIRED, SELLING OFF INVENTORY, **CALL ME 386-804-8008 ASKING \$33,000.00 (P09)****



**2012 International WorkStar MaxxForce. 197,118 miles. Engine replaced at 169,000 miles in January 2021. NVE 866 Challenger pump. 10-speed manual transmission. 3,500-gal aluminum tank. Truck is work ready. **\$80,000 OBO Call 706-798-8080. (P09)****

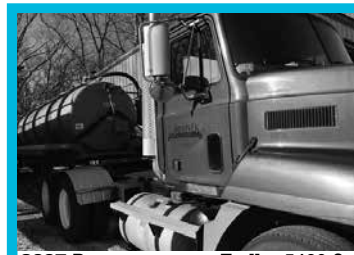


**2006 Peterbilt 335, C7 Cat, 160k, Allison auto, 26000 gvw, under cdl, airbrakes, AC, cruise, New 2000 gal tank, stainless hoses, Jurop R260 vac pump, paint and alum wheels. Very nice truck, all new equipment. Finance and delivery available, **\$65,000.00 Hull's Truck Bodies LLC 740-820-5338 (P09)****

**Sell your equipment on the web!**  
[www.pumper.com/classifieds/place\\_ad](http://www.pumper.com/classifieds/place_ad)



**2016 Kenworth T800, 102,428 miles, 8627 Hours, 4200 gallon tank, 4000 waste, 200 fresh w/ 10 gpm jetter inside insulated heated tool box. Transway body and pump, 1200 vein pump 4" intake. Hydraulic tank hoist with full rear opening door. Good condition, everything works, asking **\$160,000 OBO. 802-658-6243 or email travis@pandpseptic.com (P09)****



**2007 Dragon vacuum Trailer 5460 Gallons & 2002 CH 613 Mack 427. Price for both **\$28,000. (508)679-2476 (P09)****



**2011 Peterbilt 367--C15--Cat Eaton 18 speed 4000 gallon tank. \$70,000 JB's Line Cleaning & Plumbing LLC- **607-263-9920 - jbslinecleaning@gmail.com (P09)****



**2007 T300 Kenworth. 4,000-gallon all aluminum tank vacuum septic pumper truck for sale in northeast New Jersey. Has a 300 Cummins and an Allison 5-speed automatic transmission. 14,600 front axle and 40,000 rear axle. Mileage is 213,411. The pump is a Wittag. 175-feet of used vacuum hose is included. 4 new recap tires are also included. The AM/FM radio and the AC are working. See this truck on my eBay ad for more photos. Contact me at madblue@optonline.net or through eBay. **Also have a 1986 Autocar 5,000-gallon stainless tank pumper for sale on eBay. 201-376-2058. (P09)****



**2007 Kenworth T800 Tri Axle Pump Truck, 4,400 gallon steel tank, Jurop pump, 560,000 miles plus, C-13 Cat motor, 8LL transmission, aluminum wheels and good rubber. Recent work; new under cab exhaust, new CECU by Kenworth. **\$54,000.00. Call Lou (518)857-9093 or email Lou@morningstarseptic.com (P09)****



**2024 Peterbilt 548, 4200 Gallon Polished, JUROP/NVE/Masport Blowers Available, Give Me A Call For Pricing and Availability. **Hayden Evans: 501-388-9464 (P09)****

1997 Peterbilt 378 cab & chassis with a Presvac 3,000 U.S. gallon, C/S, vacuum tank & Masport HXL15WV water cooled pump. (Stock #6625C). [www.vacuumsalesinc.com](http://www.vacuumsalesinc.com) (888)VAC-UNIT (822-8648). (PBM)



**2012 Freightliner Cascadia, Wet kit, 396,252 miles, 18 speed Eaton Fuller Manual transmission 2011 Galyean 5460 gallons with Fruitland Pump. They run great and are ready to work. **Josh 616-368-1894 call but Txt is better. \$75,000 O.B.O. (P09)****



**2012 T800 Kenworth, manual transmission, 400HP, NVE 866 pump package, 5,200-gallon aluminum tank. **\$65,000 OBO. 401-437-8942. (PBM)****

Pre-Owned 2,500 U.S.-gallon, carbon steel, vacuum tank. [www.VacuumSalesInc.com](http://www.VacuumSalesInc.com), (888) VAC-UNIT (822-8648). (PBM)

**Pumper Classifieds Work!**



2005 Sterling Acterra, 315 Cummins, 10-speed, 3,600-gal alum tank, Wittig vac pump. \$41,000. Pictures available upon request. 440-812-2099. (P09)

Pre owned 3,600 U.S. gallon, Aluminum vacuum tank; with a Presvac PV750 vacuum-pressure pump installed on a 2004 Peterbilt 330 cab and chassis. Stock #1693 [www.VacuumSalesinc.com](http://www.VacuumSalesinc.com), (888) VAC-UNIT (822-8648). (PBM)

New 4,000 U.S. gallon, aluminum, vacuum-pressure tank mounted on a 2023 Peterbilt 548 cab & chassis with NVE 4307 Blower Package. (Stock #14006). [www.VacuumSalesinc.com](http://www.VacuumSalesinc.com), (888) VAC-UNIT (822-8648). (PBM)



**2007 Mack Granite**, 8LL, 225,000 miles, Masport pump package, 4400-gallon steel tank. Turn Key. **\$58,000 OBO. (866) 720-4999.** (PBM)



**2014 Freightliner Cascadia** Vacuum Tank truck (white). 3,300-gallon New Tank (red). New NVE 360 cfm pump. Clean Interior. Good Cold A/C. Air Ride/Air Brakes (Jake brake). DD15 Engine. 60% Rubber on tires. Mileage: 457,286. **Price: \$70,000. 1-800-721-2774** (PBM)

2005 Keith Huber Dominator, 4,000 U.S. gallon, dump type unit, with a Wittig RFL100 hydraulic driven vacuum pump. Stock# 004SV. [www.VacuumSalesinc.com](http://www.VacuumSalesinc.com), (888) VAC-UNIT (822-8648). (PBM)

New 4,000 U.S. gallon, aluminum, vacuum tank. Mounted on a 2023 Freightliner M2-106 cab and chassis w/ a NVE Challenger 887 vacuum pressure pump package. Stock# 14056 (888)VAC-UNIT (822-8648) [www.vsirentalsllc.com](http://www.vsirentalsllc.com). (PBM)

Pre-owned 1984 Mack R686ST cab and chassis with a 3,000 U.S. gallon, carbon steel, vacuum tank unit. (Stock # 6115C). [www.vacuumsalesinc.com](http://www.vacuumsalesinc.com) (888)VAC-UNIT (822-8648) (PBM)

## SERVICE AND REPAIR

Dynamic Repairs - Inspection Camera Repairs: 48-hr. turn-around time. General Wire, Ratech, Ridgid, Hathorn, 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. [www.dynamicrepairs.biz](http://www.dynamicrepairs.biz) (PBM)

## SLIDE-IN UNITS



**Slide In Queen has tanks READY TO SHIP.** 300-1500 gallons. Ready to work, units for your portable restroom, septic, or grease business. **Contact us today 833-4-SLIDEIN (475-4334).** (P09)



**NEW aluminum slide-in tanks.** 2 available. 600-gallon (400/200) 450-gallon (300/150). Honda motors, Masport pumps. **Call JR @ 720-436-3910 or Mike @ 720-478-4796, CO (PBM)**



**550-gallon steel slide in**, 100-gallon poly water tank. Masport HXL-3V vacuum pump w/9-HP Honda engine. 30' of 2" waste hose, 50' garden hose on hose reel. Toico water pump, 3" discharge. 7,000-lb GVWR tandem axle trailer. **\$22,000. Call Jamie 800-558-2945, salesinfo@imperialind.com. (PBM)**

## TANKS

Pre-owned 2,500 U.S. gallon, carbon steel, vacuum tank. Stock# 0668V [www.vacuumsalesinc.com](http://www.vacuumsalesinc.com) (888)VAC-UNIT (822-8648). (PBM)

Pre-owned 3,600 U.S. gallon, carbon steel, vacuum tank. Stock# 3600V [www.vacuumsalesinc.com](http://www.vacuumsalesinc.com) (888)VAC-UNIT (822-8648). (PBM)



**Any size tank can be custom built.** Slide-in tanks in all sizes. Plug and Play vacuum pumps are also available. **Call Rodney Lane 270-832-3793 for pricing. (PBM)**

Tanks in stock and available for immediate purchase. Prices start at \$16,000 for a 2500-gallon tank. Complete and ready to place on your truck. Call J Eagle Tanks 1-800-721-2774 (PBM)



**Complete Steel Vacuum Tanks** available 800-5,000-gallon. All prices are not the same. We deliver anywhere. **J Eagle Tanks 800-721-2774** [www.Jeagletanks.com](http://www.Jeagletanks.com) (PBM)



**Tanks in stock**, ready to ship out or let us install it for you. Restroom, septic, grease in stock with mounting kits. **Call 888-6VACTANK today! (PBM)**

## TOOLS

T&T Tools: Probes, Hooks. Probes feature steel shafts with threaded and hardened tips. The insulated Mighty Probe™ tested to 50,000 volts. Top Poppers™ open manhole covers easily. Free catalog. [www.TandT-tools.com](http://www.TandT-tools.com). Phone 800-521-6893. (PBM)

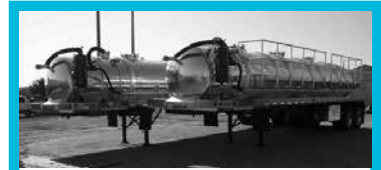
Crust Busters - Portable, lightweight machine guaranteed to mix up septic tanks and grease traps! Save time and money! [www.crustbusters.com](http://www.crustbusters.com), 1-888-878-2296. (PBM)

## TOYS

Septic pumper and vacuum die-cast toy trucks in your choice of colors and logos. Several cabs available. Call 603-899-6842, write to Granite State Collectibles, 89 Kimball RD, Ridge, NH 03064; or [www.granitestatecollectibles.com](http://www.granitestatecollectibles.com). (PBM)

## TRAILERS-VACUUM TANKER

1989 Petrosteel 5,500 gallon, carbon steel, Vacuum tank trailer. Stock# 1146C [www.vacuumsalesinc.com](http://www.vacuumsalesinc.com) (888)VAC-UNIT (822-8648) (PBM)



**In stock, 6000- and 6300-gallon** aluminum single-compartment Imperial vacuum trailers. **Call Cory 800-558-2945 Ext. 426 (PBM)**

## TRUCKS (DUMP, SEPTIC, MISC.)



**1988 S2300 International;** L10 Cummins 8 speed transmission. Set up for installing and hauling pipes, risers, fittings, and tools for septic systems. Runs good, needs some TLC. **Mileage: 320,000 approx. (636) 583-5564. (PBM)**



**2011 Ford F350 extended cab**, 4x4, auto, 6.7 power stroke, new aluminum tank, 300 waste, 150 fresh Honda 5.5 aux engine, RV wash down system, Brand new hoses. HXL 2 Masport pump. **720-436-3910 (PBM)**

## TRUCKS (DUMP, SEPTIC, MISC.)



**2017 Ford F550 Diesel** 6.7 with 100,000 miles well-maintained 300 gallon freshwater and 900 gallon waste. **\$45,000 If interested please call 410-800-8823 (P09)**

## Pumper Classifieds Work!

PLACE YOUR AD ONLINE AT [WWW.PUMPER.COM](http://WWW.PUMPER.COM) - IT'S ALWAYS THERE TO MEET YOUR BUSY SCHEDULE



**Pumper truck-1250** (250/900)-  
upto 75ft, 2014, Dodge Ram, Diesel  
(340,000 miles), 5500, **\$22,000 OBO.**  
**Please text only (801)414-5538**  
**(P10)**



**2015 Kenworth T880 Guzzler Classic.**  
Approximately 148,385 miles and 19,010  
engine hours. Cummins ISX15 (485 HP)  
diesel engine, engine Jake brake, Eaton-  
Fuller FRO-16210C 10-speed manual  
transmission, 20,000# fronts and 46,000#  
rear axles, differential locking axles, 13.5K  
steerable pusher axle, 13.5K steerable tag  
axle, air brakes, A/C, air seat, AM/FM radio  
with CD player, double frame, anti-lock  
braking system, cruise control, power  
steering, power windows, locks and  
mirrors. Guzzler Classic Industrial Vacuum  
Truck. 21 cubic yard debris body. Hibon  
8702 Tri-Lobe (5250CFM @ 28"Hg.)  
vacuum blower w/ 2,957 hours on blower,  
electric debris tank vibrator, hydraulic  
tank hoist w/ rear opening dump door,  
cyclone and baghouse w/ (60) filter bags  
for wet and dry vacuum capability, OMSI  
transfer case, regularly maintained and  
serviced. Truck in perfect condition ready  
to go and work anywhere, rear splash  
shield for wet materials. Owned and oper-  
ated since new, never rented out. Located  
in New Orleans, Louisiana. Sold as-is – no  
warranty. **Price: \$365,000 OBO. Harold**  
**Ciaccio - 504-201-4257, harold-**  
**splumbing5111@gmail.com. (P09)**



**2015 International,** Cummins engine,  
Allison auto, 215,000 miles, NEW 2,650  
aluminum tank, NEW NVE 607 Pro Max  
package, Custom tool rack front. **Call**  
**for pricing. (866) 720-4999 (PBM)**

**Submit your classified ad online!**  
[www.pumper.com/classifieds/place\\_ad](http://www.pumper.com/classifieds/place_ad)



**1997 Int.4900, DT466E,** manual,  
137,167 miles, 14,467 hrs. New  
2,300-gallon tank in 2020. Fresh  
service, ready to work. **413-244-8493.**  
**\$28,000 OBO. (P09)**

### TV INSPECTION

New IBAK Mainline pipe line inspection system  
with Orion & Nanopan & tilt cameras,  
T66 & T76 tractors, BS7 control unit, 1,000  
foot cable, LISY lateral launch Mounted in a 14'  
commercial FRP conversion box van With power  
retractable rear canopy & wall heater  
–Mounted on a Ford E-450 (coming in March)  
Stock# 14085 [www.vacuumsalesinc.com](http://www.vacuumsalesinc.com)  
**(888)VAC-UNIT (822-8648) (PBM)**

### VACUUM EQUIPMENT

Two Accurate 20 cubic yard Vacuum roll-  
box - \$6,000 each. Located in Jacksonville,  
Florida. [wrhernandez@jaxoninc.net](mailto:wrhernandez@jaxoninc.net) or  
904-813-2507. (P09)

### VACUUM LOADERS

Pre owned 2014 Cusco 3,200 U.S. gal-  
lon, carbon steel, High Dump, TurboVac,  
Replacement Tank, D.O.T. 407/412 Certified  
(No cab & chassis). Stock# 4057C  
[www.vacuumsalesinc.com](http://www.vacuumsalesinc.com)  
**(888)VAC-UNIT (822-8648) (PBM)**

2015 Peterbilt 567 tri-axle (automatic)  
with a Tornado F3Slope Hydrovac unit with  
Robuschi RBDV-125 blower Stock# 0461C  
[www.vacuumsalesinc.com](http://www.vacuumsalesinc.com)  
**(888)VAC-UNIT (822-8648) (PBM)**

### WATERBLASTING EQUIPMENT



**NLB 10-225 with Cummins 8.3**  
engine NLB 10-150 with Cummins 5.9  
engine both pumps for **\$70,000 or sell**  
**separate 440-813-0025 (P09)**

**CLASSIFIEDS!**  
[www.pumper.com](http://www.pumper.com)

It's your magazine.  
Tell your story.



*Pumper* welcomes news about your installations of residential and comercial  
septic systems, providing portable sanitation services and performing  
industrial vacuum services for future articles.

**Pumper**

Send your ideas to  
[editor@pumper.com](mailto:editor@pumper.com)  
or call 800.257.7222





# THE PIPELINE TO KICKASS HEAVY METAL IS HERE.

Enjoy the soothing hymns of engines roaring to life or 42,000 lbs of machinery moving in the morning? If so, we've got what you love and more of what you need at The WWETT Show!

Dive into an Expo Hall full of the most powerful pump trucks, the baddest hydro excavators, and a fleet of other state-of-the-art vehicles working to redefine the industry.

Interested? That's not even the half of it! The WWETT Show offers networking opportunities, live demos, one of the largest accredited education programs around, and so much more!

**Sounds like a pretty kickass time right? Well don't just sit there, register today!**

  
**wwett<sup>™</sup>24** CONFERENCE: January 24-26  
EXPO HALL: January 25-27  
Indiana Convention Center

Using promo code  
**EB45**  
When you register today  
at [wwettshow.com](http://wwettshow.com)

# GO WITH

# THE EXPERTS



**IMPERIAL  
INDUSTRIES INC**



## 2024 Mack Granite

5000-Gallon Aluminum Vacuum Tank, NVE 4310 Blower, Mack mDrive Transmission, Mack MP8 425HP Engine, Call for Pricing

## 2024 Freightliner M2



4000-Gallon Aluminum Vacuum Tank, NVE 4310 Blower, Allison Automatic Transmission, Cummins L9 350HP Engine, Call for Pricing

## 2024 Peterbilt 537



2500-Gallon Aluminum Vacuum Tank, NVE B500 Blower, TX-8 Transmission, Paccar PX7 300HP Engine, Call for Pricing

## 2024 Mack MD7



2500-Aluminum Vacuum Tank, NVE B500 Blower, Allison 2500RDS Transmission, Cummins B 300HP Engine, Call for Pricing

## 2024 WWETT Prize Drawing!

- 1) Email [Morgan@imperialind.com](mailto:Morgan@imperialind.com) your shirt size and address, she'll mail you a shirt
- 2) Wear the shirt at the 2024 WWETT Show and stop by our booth #5305
- 3) Enter to win a Traeger Grill!



**Win Me!**

Traeger Ironwood®

1-800-558-2945  
[salesinfo@imperialind.com](mailto:salesinfo@imperialind.com)

[imperialind.com](http://imperialind.com)  
[septictruckcenter.com](http://septictruckcenter.com)







# PRESVAC SYSTEMS

YOUR SINGLE SOURCE FOR MOBILE VACUUM SYSTEMS



## POWERVAC MINI

- > Two Compartment Aluminum Tank
- > 860 CFM Blower
- > 4" Loading Boom
- > 4200 USG Waste / 300 USG Water
- > 10 GPM @ 3000 Pressure Pump



## POWERVAC

- > 3250 US Gal. Carbon Steel Tank
- > 5300 CFM Blower
- > 8" Loading Boom
- > 10 GPM @ 4000 PSI Pressure Pump
- > PV750 Pressure Off Load Pump

**Established 1972**



4131 Morris Drive  
Burlington, Ontario, Canada L7L 5L5  
Fax: 905-681-0411

Nationwide Sales & Service

800-387-7763 | 905-637-2353 | [www.presvac.com](http://www.presvac.com)

Quality... is our Trademark