



# The PIT-BULLETin - News You Can Use

VOL.#2 -#5  
A PITBULL®  
WATERJET CASE  
HISTORY

## WHO TRUSTS THEIR TOUGHEST PUMPING JOBS TO THE PITBULL®? SOME OF THE MOST TRUSTED NAMES IN THE WORLD , THAT'S WHO!

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**International Paper / Weyerhaeuser Paper / Chinnet - Houdimaki  
Goodyear / Honda / Toyota / GM / Buick / Goodrich / Cooper Tire  
Ford / Caterpillar / Continental Tire / Honeywell / USG - US Gypsum  
Amphenol-Antell / Exxon Mobil / Veterans Administration Hospitals  
Arcelor Mittal Steel / Lehigh Heavy Forge / US Steel / Alcoa / AEP  
Kaiser Aluminum / Benjamin Moore / Anheuser-Busch / Swift  
Border Foods / Tyson / National Beef / Coca Cola / Ciba / ComEd  
Miller Brewing Co. / Frito Lay / Amtrak / Long Island Railroad  
Rohm & Hass / DuPont / Eli Lilly / Abbott Labs / Pfizer / Playtex  
Univ. of N Dakota / Univ. of Minnesota / Colgate Palmolive / M&M  
Univ. of Connecticut / Yale New Haven Hospital Alberta Infrastructure  
Government of Alberta / BASF Catalysts / FUJI / UPS / DOW/ FEMA  
Oak Ridge National Laboratory / Sonoco / Marathon  
Peach Bottom Atomic Power / Nebraska Public Power District  
Anchor Glass Container / 3M / Proctor & Gamble / Lever Brothers  
IBM / Levi Strauss / Maytag / Memorex / St. Bernard Soap  
Johnson Controls / Abengoa Bioenergy / DOE—The Dept. of Energy  
Osram Sylvania / Columbia Gulf Transmission / Florida Power  
Chevron-Oronite / TIC- The Industrial Company / Detroit Edison  
Tyco Electronics / Cutting Edge Water Jet / Lockheed Martin  
McJunkin Redman / Conagra / Merck / Army Corp of Engineers  
TVA-Tennessee Valley Authority / Virginia Electric Power  
North Carolina Power / LCRA—Lower Colorado River Authority  
Wisconsin Electric / Western Kentucky Energy / Georgia Power  
Houston Power & Light / Southern Illinois Power  
Baltimore Gas & Electric / Louisville Electric / Tucson Electric  
Brittannia Landfill Gas Electric / CBS / Texas Utilities  
Michigan Waste Energy / Nucor Yamato Steel / Gibraltar Mines  
Rockwell International / Dow Corning / Dial / American Cyanamid  
Blubber Bay Quarry / Ash Grove Cement / Gulf Chemical**

**just to name a few.**

*"If you need a machine and don't buy it, then you will ultimately find you have paid for it but don't have it"*

*- Henry Ford*

### Fast Facts:

You can get live technical assistance for your PITBULL® pump by calling:  
847-214-8988 Ext 12  
7:30-4:30 CST  
Troubleshooting information and Manuals are available for review or download—24 hrs a day, 365 days a year at [www.pitbullpumps.com](http://www.pitbullpumps.com)

**Chicago Industrial Pump Company**  
822 Schneider Drive  
South Elgin, IL 60177  
Ph: 847-214-8988 / Fax: 847-214-8998



## PITBULL® —Pump System of Choice for Waterjet /Abrasivejet Applications

### The Problem: Abrasive Wear Destroys Other Pumps.

Abrasivejets are waterjets which use a high pressure ( $50k+$  psi) stream of water combined with garnet to cut through a variety of materials. Water reservoirs under the material collect both the spent garnet, material fines and scraps of the material being cut. The extremely hard and abrasive spent garnet combined with the sharp and irregularly shaped material scrap creates a highly abrasive slurry that poses a troublesome handling problem. Frequently AODD (*air operated, double diaphragm*) pumps are used to remove or filter the slurry but the abrasive slurry quickly takes its toll on the AODD.

#### Using AODD pumps resulted in the need for:

- Replacing 2-3 new pumps per year
- Multiple back-up pumps
- Costly repairs and downtime.

#### Example:

Amphenol, one of the world's leading manufacturers of quality high tech antennas, uses precision waterjet cutting machines as part of their manufacturing process.

Amphenol's original AODD pumps were left to run in a continuous mode, pulling slurry off the bottom and feeding into filter totes.

Amphenol found that their pumps had to be rebuilt every 3 months and that after about the 4th rebuild the pumps were beyond repair and needed to be replaced.



**2 of the PITBULLS® (black) at 1 year inspection - May 2006**  
2 of the AODD pumps that were replaced (blue) are sitting off to the right.

## **Waterjet slurries quickly destroy other pumps, such as the often used double diaphragm pump, but they don't stop the PITBULL®.**

In 2005 Amphenol had enough with failures and contacted **Bill Recker** of **Quackenbush**. Bill said he knew a pump that would hold up and recommended the PITBULL®. Amphenol took his advice and replaced their high-maintenance pumps with PITBULL® pumps. Immediately after switching, they noticed the PITBULL® pumps were easier to use and their filter bags filled much faster.

In May of 2006, after a year with no maintenance, no repairs and no failures, Amphenol tore down the checks for inspection. After one year of use, they found that the PITBULL® pump system didn't need a repair, rebuild or replacement. They also found the PITBULL® had almost no wear and could even be used for sludge cleanout. Thanks to the PITBULL® pump's better solids removal, tank cleanout has been cut down from 3 times to only twice a year.

## **After 5 years the original PITBULL® checks are still operating.**



**Thanks to its unique design with full-port wide-open passages, low internal velocities and heavy-duty construction, the maintenance problems you experience with other pumps become a thing of the past when you switch to the PITBULL®.**

**The photo to the left shows 1 year tear down in May 2006. Those same checks are still operating in 2009.**



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Be sure to visit us  
on the web and view  
the video of the  
PITBULL® in action  
at:  
[www.pitbullpumps.com](http://www.pitbullpumps.com)



Home of the  
PITBULL® Pump  
since 1990

## PITBULL® PUMP - ROAD SHOW ON THE GO



Close-up of the  
PITBULL® Pump and  
Panel.

**Pittsburgh Process Equipment (PPE)** recognizes the fact that the PITBULL® Pump System virtually sells itself once the customer sees it in action. **Ken Rudolph** - President of PPE, put it this way; *“since our customers cannot come to us, we are taking the demo on the road to show our customer base.”* In order to take the demo on the road and demonstrate the PITBULL® pump’s unique capabilities, PPE mounted one of their demo Pitbull® pump systems (*Model T3C*), an air compressor and a water tank on a flatbed truck.

**Jeff Bechtold**, a salesman at PPE, thought it would be a great idea to have a pit bull dog with the PITBULL® pump demo so they began taking Ken’s pet pit bull, a 3 year old named Rex along on the truck.

They call it their-

“PITBULL® Pump - Road Show On The Go”



Ken (standing) on board with his PITBULL® pump road show demo and his 3 year old Pitbull - Rex (sitting) PITBULL® pump, panel and compressor (left) Water tank (right)