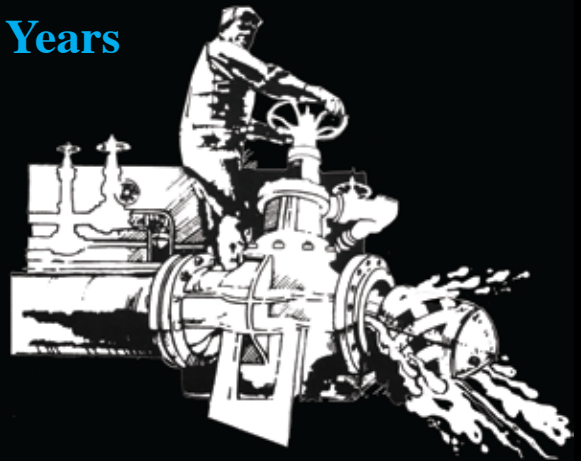


FLOWMORE SERVICES



Pipeline Cleaning Specialists for Over 30 Years



What we do...

FLOWMORE SERVICES specializes in pipeline cleaning. Flowmore crews have successfully cleaned over 5 million linear feet of piping ranging from 2" to over 72" in diameter. We are prepared and equipped to provide assistance on small or large cleaning projects.

How we do it...

Flowmore Services cleans pipelines by hydraulically or pneumatically propelling a series of flexible foam **POLY-PIGS** (cleaners) through the line. In the case of heavy build-ups, the **POLY-PIGS** are introduced into the system in a progressive manner beginning with smaller and softer cleaning units working up to full sized cleaners with more abrasive qualities. This **POLY-PIG** cleaning method has proven to be the safest, fastest and most economical way to clean most pipelines.

Flowmore Services stocks a full line of pipeline cleaning equipment including **POLY-PIGS**, pig launchers, pig trackers, pipe stoppers and pumps.



Pipe with buildup of minerals reduces flow through the pipeline. Pigging the pipeline removes this buildup



Pipeline cleaning step-by-step...

The photos below demonstrate how introducing **POLY-PIGS** into the pipeline works to clean the line. Photo 2 shows dirty water being forced out of the line ahead of the pig. As each pig moves down the line, the effluent gets darker (photo 3) as more buildup is removed. Finally, the water released from the line is

clear with a highly increased flow in photos 4 and 5. Photo 6 shows used poly-pigs called swabs after their trip down the pipeline. The results of pigging include restored flow, reduced pumping costs, and a much cleaner product once impurities are removed.



Who we do it for..

- Municipalities
- Transmission and Distribution Pipelines
- Paper Mills
- Hardwood Stock, Effluent and Process Lines
- Industrial Plants
- Oil, Gas, Process, Fire Protection Lines
- Intake and Effluent (Discharge) Pipelines
- Hydroelectric Plants
- Penstock Pipelines

The Results...

- **Restored Flow:**
It is not uncommon to see flow increases of double (or more) in old lines.
- **Reduced Pumping Costs:**
Power savings can be dramatic in large lines.
- **Cleaner Product:**
Impurities such as Red Water can be eliminated.
- **Pleased Customers:**
Due to good results and minimum service downtime.

Flowmore in action...

Flowmore Services offers lump sum, time/materials and per foot pricing. Contact us for budget estimates, firm quotes, references or to simply discuss your pipeline cleaning requirements. We serve both domestic and most international markets.



Flowmore pipeline cleaning specialist supervises insertion of an abrasive poly pig for a large aqueduct cleaning project.



YOUR business is important to US!



What FLOWMORE customers say...



City of Gillette

P. O. Box 3003 • Gillette, Wyoming 82716
Phone (307) 686-5200

Department of Public Works
Water/Wastewater Division

May 7, 1985

Mr. Spencer Cubage
Flowmore Services Corporation
P.O. Box 692005
Houston, Texas 77269

Dear Spencer,

Just a note on the results of our flow tests on the fire hydrants along Ross Avenue **after** our pigging operation.

Location	Previous Flow	Present Flow
2nd/Ross Ave.	770 gpm	2,430 gpm
3rd/Ross Ave.	776 gpm	2,040 gpm
4th/Ross Ave.	770 gpm	1,890 gpm*

* This hydrant only has a 4" lead.

It appears that we were successful in obtaining our minimum fire flows with no problem. Thanks for the help.

Sincerely,

Ron Doba
Water/Wastewater Supt.



Mr. Tim Geohagan
Flowmore Services Corporation
P.O. Box 692005
Houston, Texas 77269

February 28, 1992

Dear Tim,

I just finished an economical analysis of the recent pigging job on our 2900' segment of 14" transite and I was shocked. Before the line was cleaned, TWO 100 hp pumps were required to move fluid 2900' to a 100 hp booster pump. The booster pump raised the pressure enough to prevent starving the 1500 hp injection pump on suction.

After the line was cleaned, not only did we need just one 100 hp transfer pump, but we were able to bypass the 100 hp booster pump. In turn, we are currently saving \$250.00 a day in electricity costs.

The cost of the pigging job was \$4, 207.00 and an additional \$1,1994.00 for tanks, vacuum trucks, etc. The pigging you performed paid for itself in less than 25 days.

We here at Tidelands will be sure to contact you for any further line cleaning jobs. Thanks again, Tim.

Sean J. Massey
Mechanical Engineer

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