



Dirty Water vs. Clean Water....

**Critical Flushing Techniques for
New Building Connections**



Russell V. Buras
President

PurgeRite.com

Lamborghini Veneno – \$ 4.5M





District Plant Distribution Piping and New Building Connections

PROTECT
YOUR
INVESTMENT

A **Proper Flush Operation** involves moving water at a high volume and velocity, plus filtration to remove damaging debris and particulates.

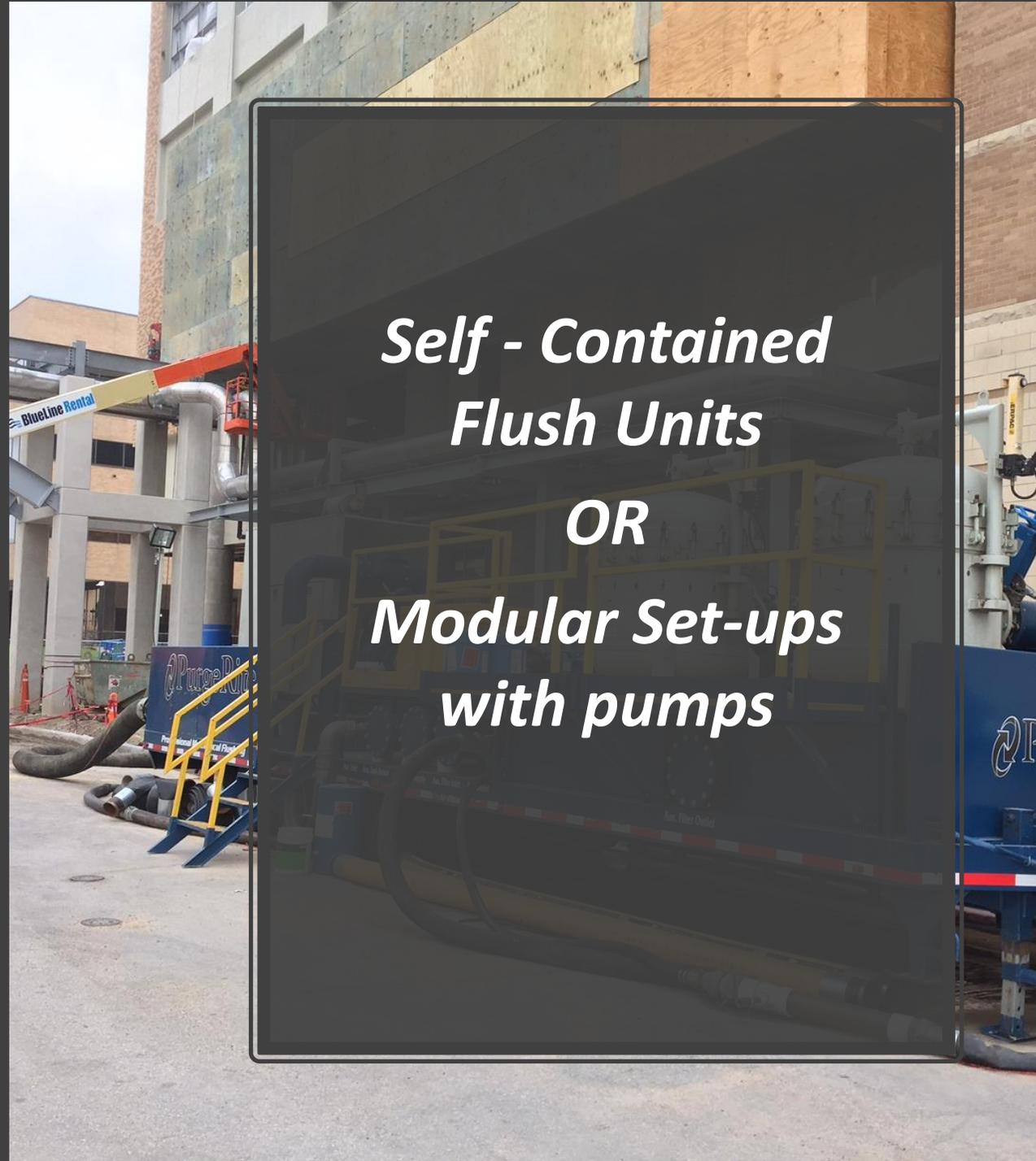
Chemical cleaning is also involved with steel piping.

Without a proper flush, or cleaning, we take a **SIGNIFICANT** chance of damage and lack of efficiency.

Energy & Maintenance savings lost !



“ Rid system of Rust, Dirt, Piping Compound, Mill Scale, Oil, Grease, any and all other material foreign to water being circulated.”



*Self - Contained
Flush Units
OR
Modular Set-ups
with pumps*

In-Line, Full Flow Filtration



Memorial Hermann – Texas Medical Center

- ***1st Hospital***
- ***\$ 650 million expansion***
- ***District Cooling via Thermal Energy Corp. District Plant***



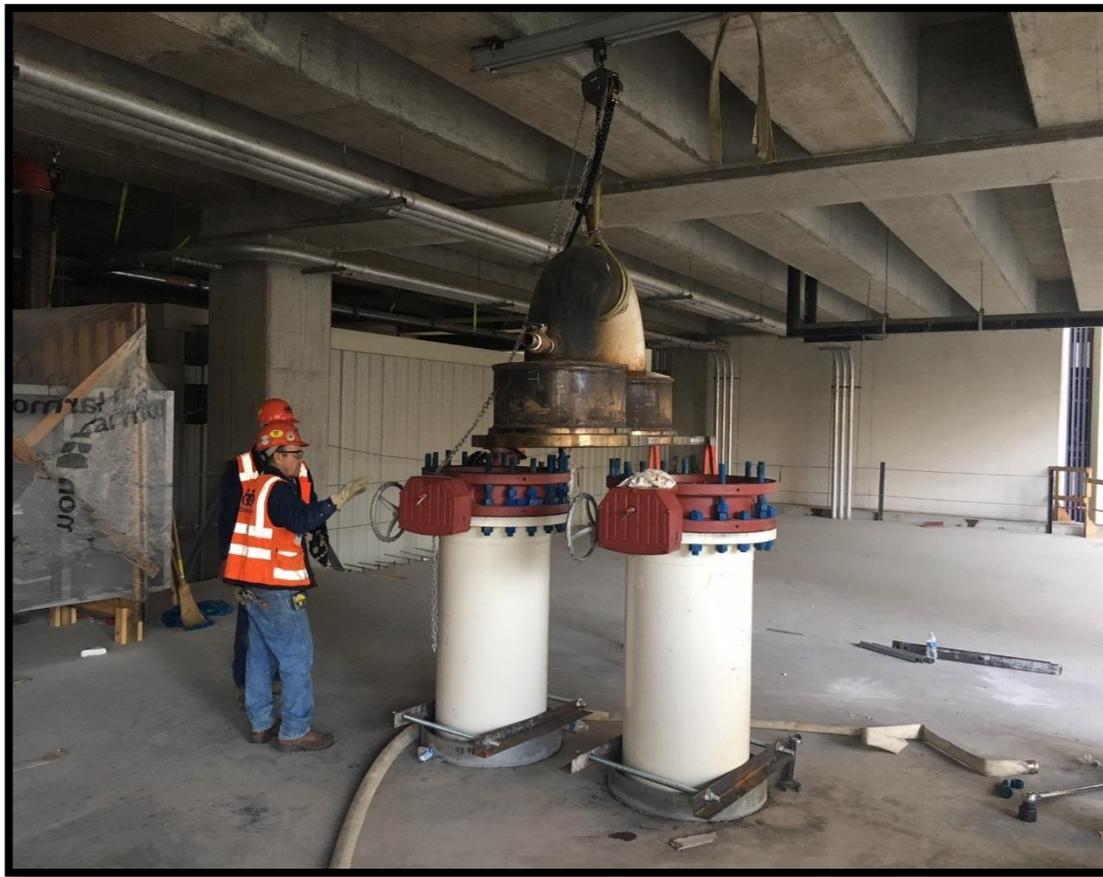
2 Flushes

Flush #1 – 24” underground portion
Flush #2 – the Meter Loop

MEMORIAL[®]
HERMANN
Texas Medical Center

(System Volume for both = 55,000 gallons)





Minimum 3'/sec, rinsed 3 times in 8 hours

Restrictive Water Supply and Discharge (500 GPM max) to meet flush specifications

Work space limitations & environment



Problem

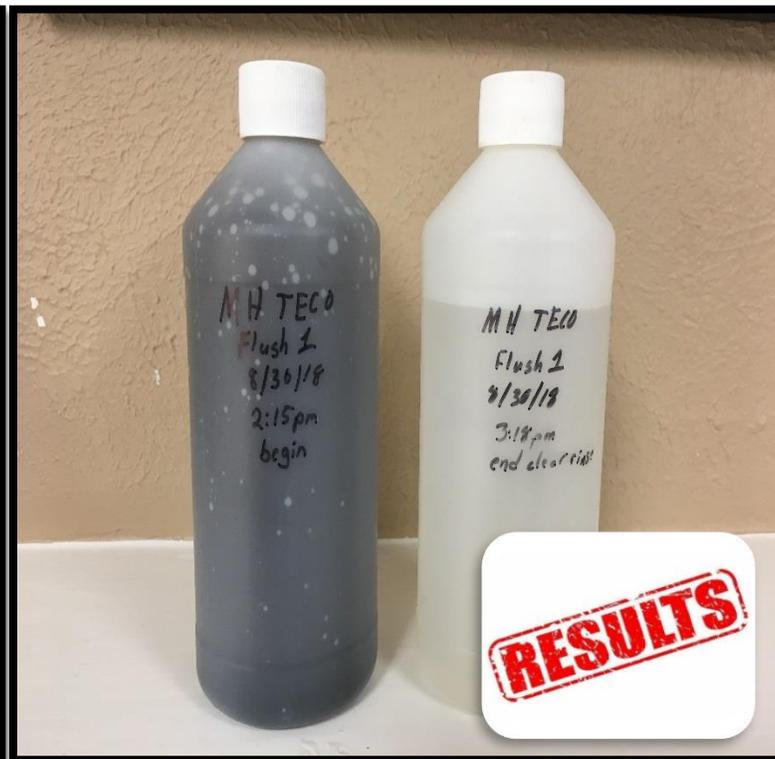
SOLVED

- Building Loading Dock
- 10 Certified Cleaned Frac tanks – Supply (190,000 gals)
- 4 Frac Tanks – Discharge (84,000 gals)







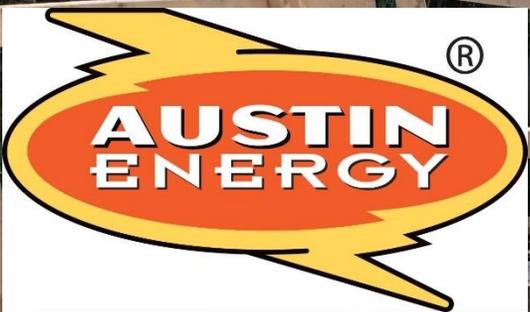


Phases for Flushing

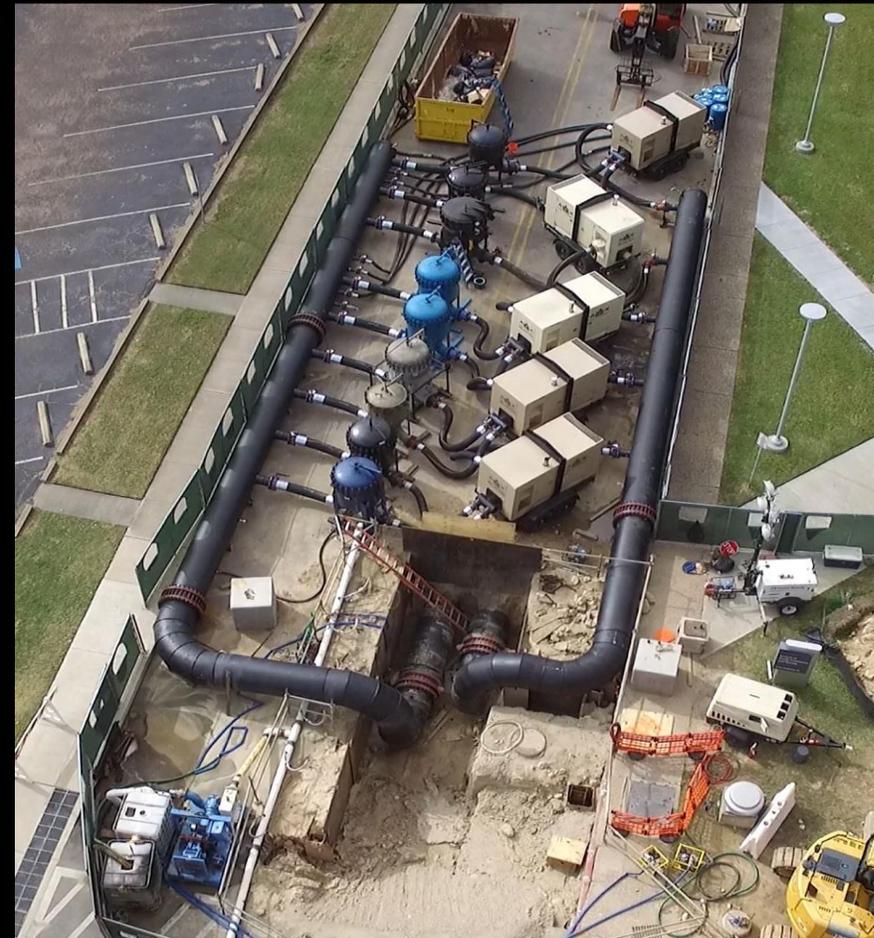
- #1 – System Fill**
 - #2 – Clear Water Flush**
 - #3 – Passivation Process (Min. 24 hrs)**
 - #4 – Chemical Dilution / Rinse**
- Place online immediately or provide for circulation**







Don't compromise your plant.





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