



PROTECTING YOUR
INVESTMENT

*FLUSHING NEW BUILDING
CONNECTIONS*



Russell V. Buras
President / CEO

PurgeRite.com





what's the
Problem?



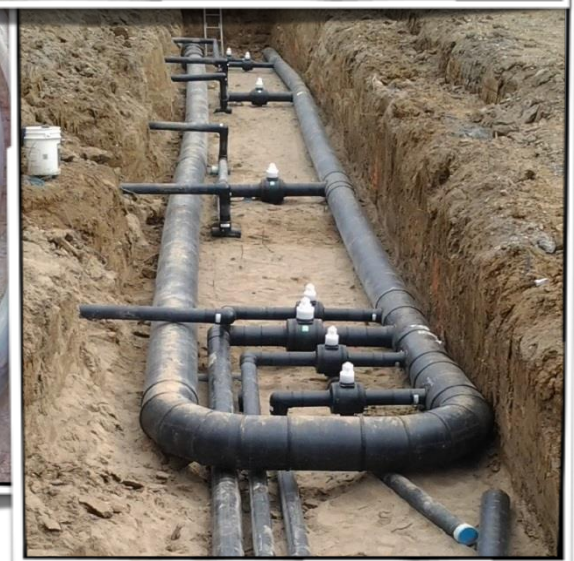
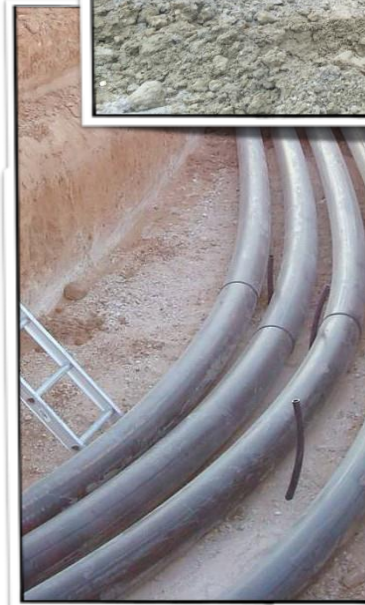
~~Problem~~

Solution



FLUSHING IS VERY IMPORTANT

- New & Renovated buildings are being added
- New distribution segments are being added
- Must be clean & chemically treated before commissioning online





- Engineering specs and implementations are all over the map
- Field interpretation
- Remember the Goal



FLUSHING MEANS & METHODS

- *1 Hour Initial Flush – 10 ft/sec*
- *24-48 Hour Circulate Cleaning Chemicals – 4 ft/sec*
- *2-3 Hour Final Flush – 10 ft/sec*



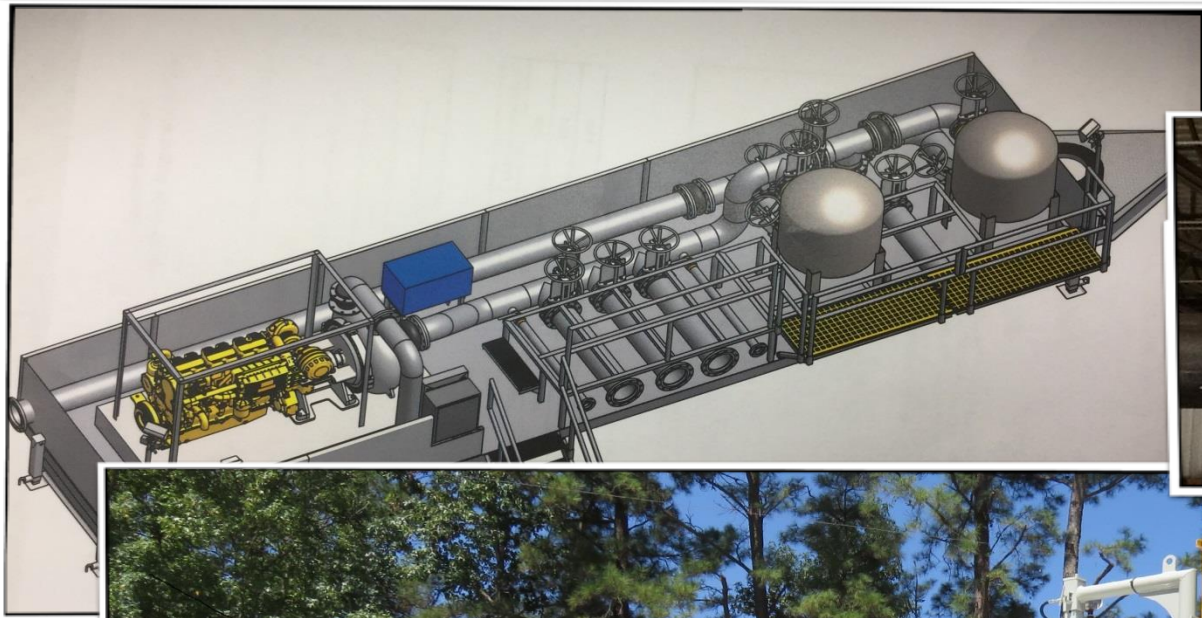
NASA Mission Control

FLUSHING MEANS & METHODS

- *Have a Solid Plan*
- *Team:*
 - *Engr./Spec/Mechanical/Chemical/
District/Third Party Flush Company*
- *Bypasses & Purge Port Connections
MUST be correct (>50% rule)*
- *Self Contained Flush Unit*



Self Contained Flush Unit – Class 601

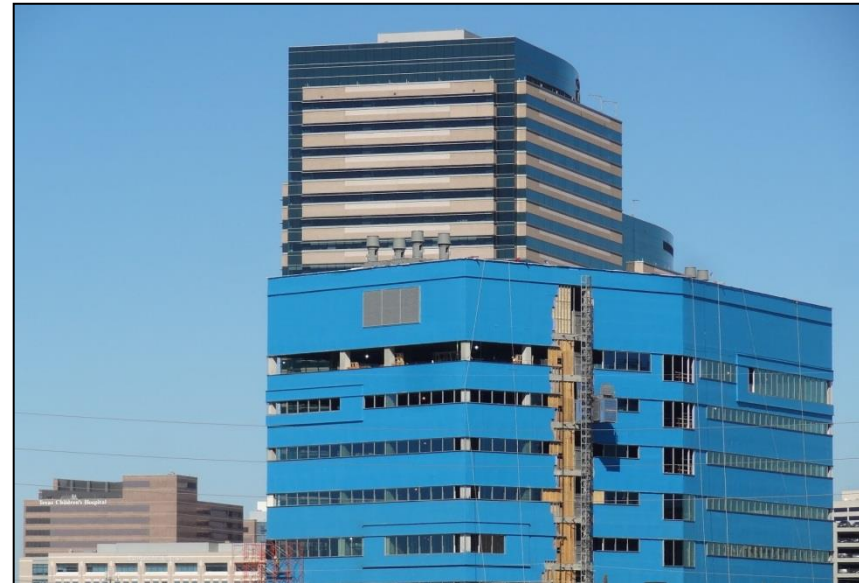
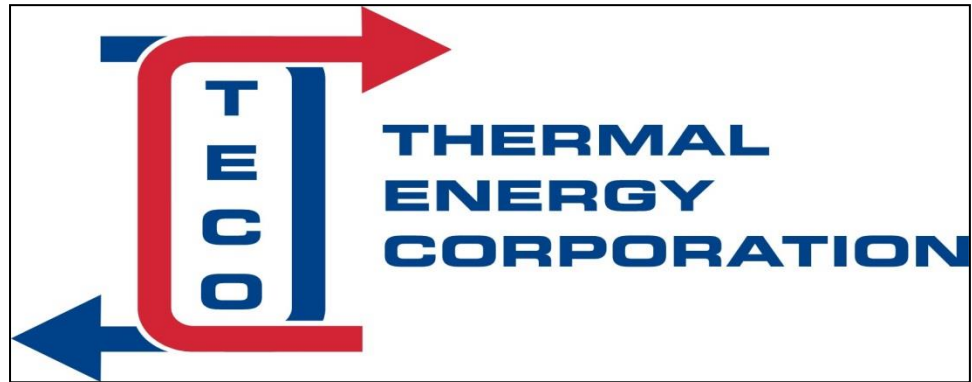




HARRIS COUNTY
INSTITUTE
OF FORENSIC SCIENCES

SCIENCE.
SERVICE.
INTEGRITY.

- *Chill Water Flush*
- *Client Exchanger Side*
- *TECO/Meter Loop Side*
- *Demarc @ Building*



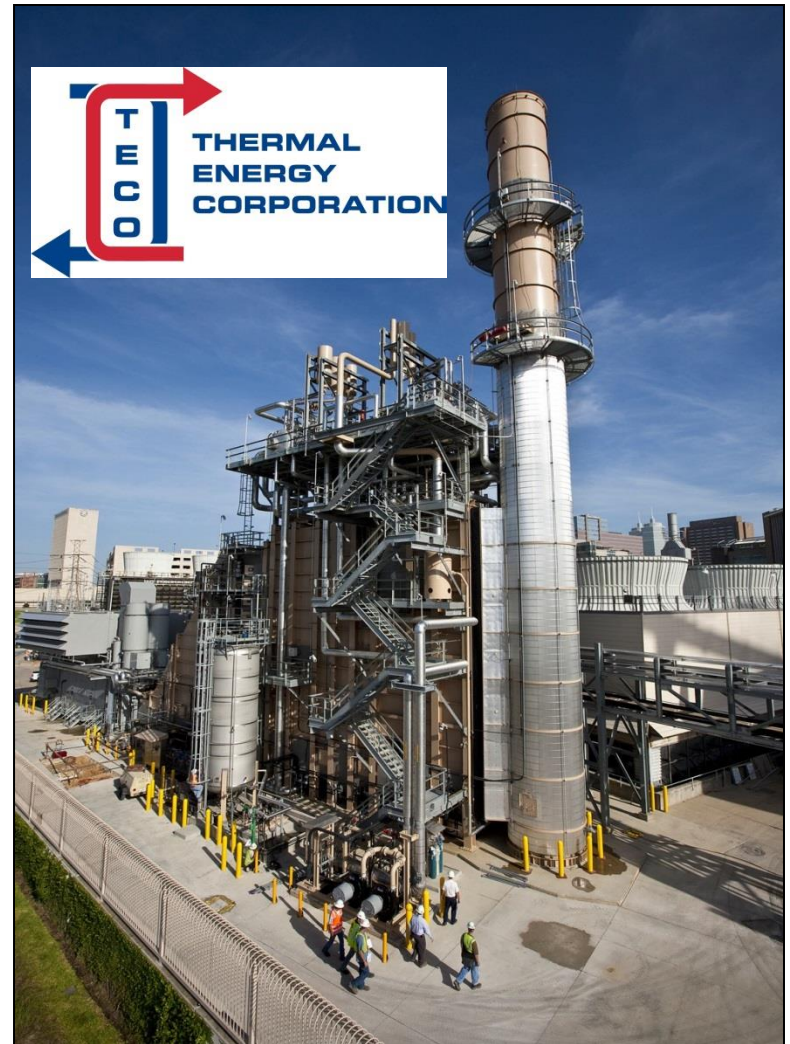


- *6" HDPE Connections*
- *Dual 21k Frac Tanks-
Water Batteries*
- *Class 601 Flush Unit*





- *Fill/Drained/Fill Cycle*
- *Rinse Cycle was 5x Volume 4'ft/sec due to water battery and pump configuration*
- *Rinse Cycle could be done in 12 mins*



TEXAS A&M UNIVERSITY

STUDENT APARTMENT COMPLEX CONNECTED TO PLANT

- 3 separate units
- Hot & Chill Water Combined
- 6" & 8" Steel
- Aquatherm piping
- 5' ft/sec – 24 Hours
- Class 402 with Hose Connections



EPIC SYSTEMS CORP. CAMPUS

Hybrid District Type Plant

36" / 28" Mains

Initial Phases – 1 Week

Dual 900 Geo Loop Fields – 2 Days

Over 300 miles of flushed pipe



TAKE AWAY!

- *Have a Solid Plan*
- *Team:*
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Chemical/ District/ Third Party
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The End