

SulfurUnit.com

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Seminar ♦ Exhibition ♦ Training

Reducing Differential Pressure – Amine Regenerator



Alan Wood
Operations Manager
Refined Technologies, Inc.

awood@r-t-i.com
936-648-4918

Charalambos Patsatzis
Operations Superintendent

charalambos.patsatzis@bp.com
713-858-6852

The Problem:

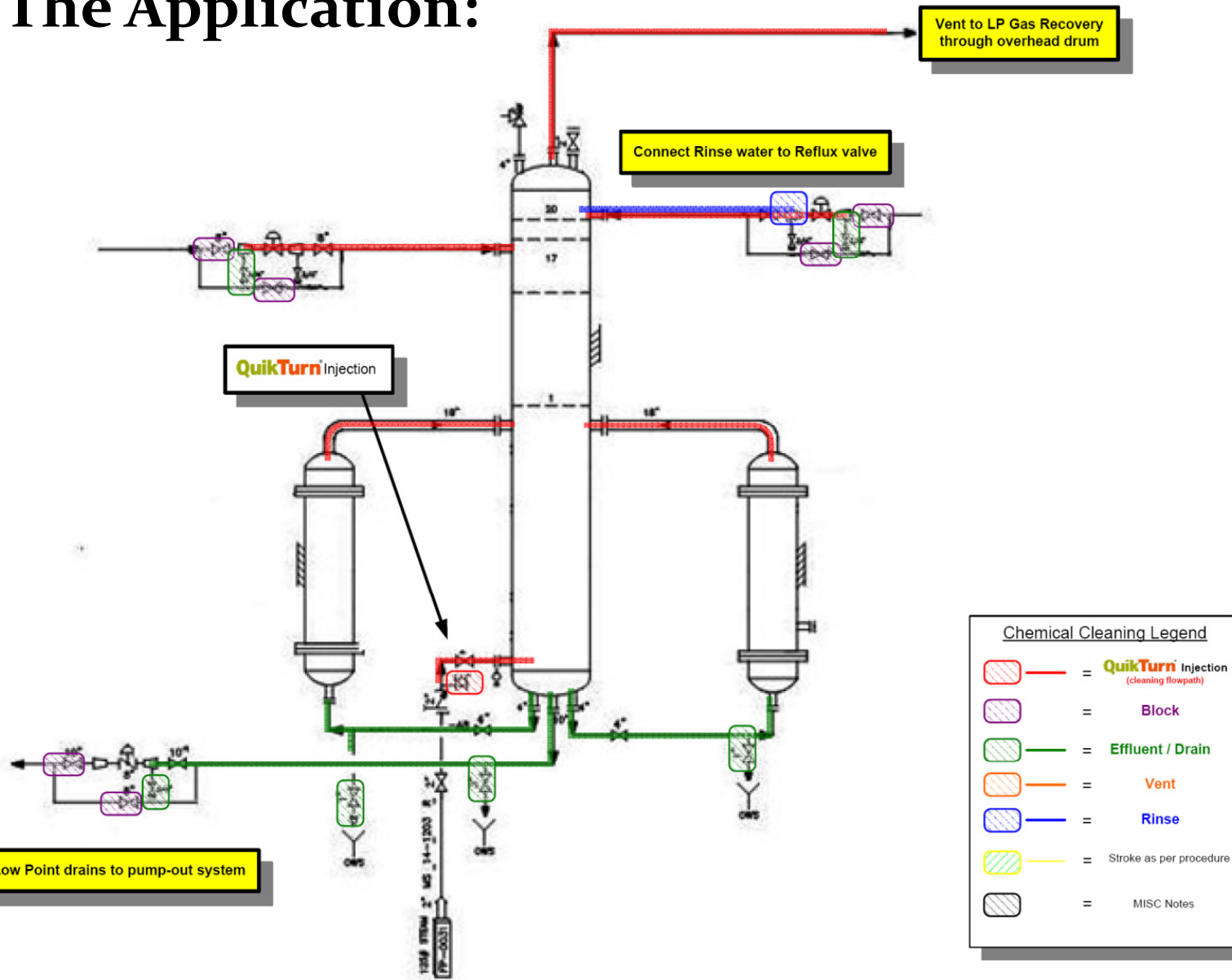
- **Hydrocarbon carryover from upstream processes**
- **Fouling by-products that create high ΔP**
- **Multi-day shutdowns that require entry (3-4 days)**
 - **Steaming and hydroblasting**
 - **Water based chemistry and hydroblasting**
- **Limited lean amine capacity during outage**
- **Entry into hazardous environment (hydrocarbon sludge)**

The Vaporganic[®] Process:

- Successful in other services (Coker, Crude, HDS)
- Once through vapor phase
- **QuikTurn[®]** - Fully Organic Solvent
- Uses steam as carrier
- Vent to Low Pressure Gas system (Flare, Low Line)
- Cascade water rinse (top to bottom – reflux line)

CONFIDENTIAL AND PROPRIETARY

The Application:

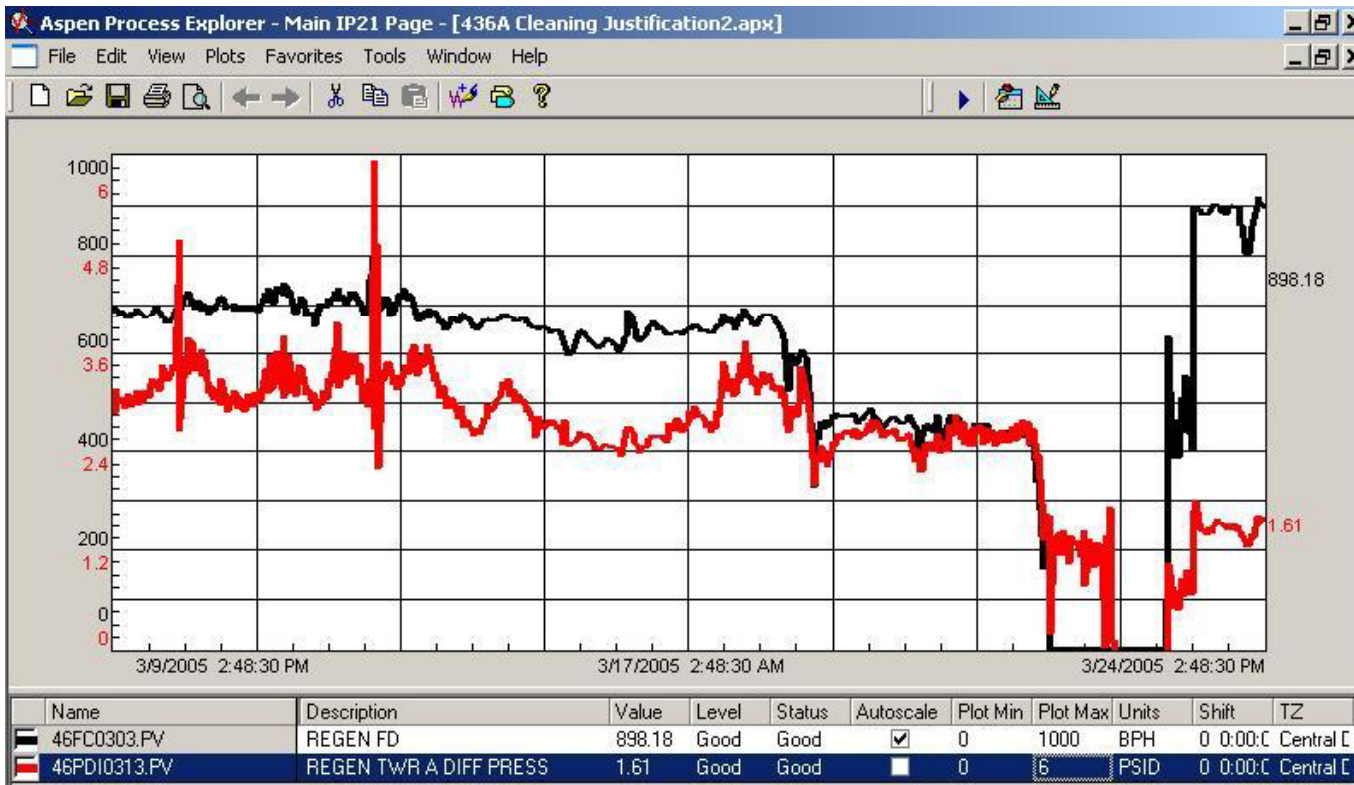


SulfurUnit.com
MORE PRODUCTION - LESS RISK

<p>REFINED technologies® PO Box 132196 The Woodlands, TX 77393-2196</p>	Amine Regenerator		PID:	
			OPS:	RTI
			DRW #	

The Results:

TASK	HRS	Date	
		Days	Nights
Amine Regenerator			
Confirm isolation / drains - Steam out (heat up)	2		
Inject Chemical	2		
Steam Dwell	2		
Rinse	2		
Total - 8 hours			



Beyond Regenerators:

- Rich Flash Drums
- Sour Water Strippers
- Absorbers / Contactors
- Pyrophoric Treatment



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