

April 2010

We Kick Gas

Correcting Liquid Filter Problems to Improve Gas Filtration



EON/LGE (pictured) operates a natural gas storage field and gas processing facility in Kentucky. The natural gas is stored in depleted gas fields and requires the removal of solids, H₂S and water before it is reintroduced to the pipeline. The processing plant had been plagued by problems caused by the accumulation of solids in the contactor towers of the glycol and amine systems for natural gas.

EON contacted Clark-Reliance to look at the filters used in its liquid glycol and amine systems. Both

systems were experiencing solids accumulation in the liquids and on the surfaces of the contactor towers. The solids were affecting equipment performance and causing carryover issues. Engineers at EON were looking to improve their liquid filtration and capture more of the solids.

Clark-Reliance conducted a walk-down of the processing plant to fully understand the process and the plant's problems. We determined that the solids accumulation identified by the customer was a result of solids entering the plant with the incoming gas.

EON had long used polyester depth style elements in their filter separator units. The polyester depth elements were prone to premature plugging caused by surface blinding and to sealing problems. The polyester depth style inlet gas filters were replaced by Clark-Reliance Sentinel pleated micro-fibrous gas elements. Employing serial filtration technology, the Sentinel filters are made with positive gasket seals, and the pleated construction handles high flow rates with exceptional dirt holding capability – virtually eliminating solids carryover and reducing contamination.

Maintenance issues reduced or eliminated by improving the inlet gas filtration include:

The annual Clark-Reliance Fishing Charter began in the Jerguson Mag Cell Group. Fishing enthusiast, "Captain" Darrell Morrison put together the first fishing Charter, and is joined by Tom Hemmer and Mark Love on the much-anticipated annual outing.

On weekends, James Matheny, Brett Moore and Steve Hemmer are often seen riding together on their Harleys. Other interests include Mark Love's passion for camping. Last year, he hiked part of the Appalachian Trail and is a scoutmaster. James Matheny, in addition to his love of Harleys, is a hunter and enjoys four-wheeling. Darrell Morrison (The Captain) is an avid fisherman, while Tom Hemmer is an avid recycler. Brett Moore, in addition to fishing and Harleys, is a four-wheeling dare devil.

So, while this team of skilled professionals makes high-end level indicators for Clark-Reliance's large clients, team members play as hard as they work. At work, they've learned skills that allow them to enjoy fun and interesting passions outside of work ... some individually, and some with their co-workers.

Pictured left to right: Mike Blankenship, Tom Hemmer, Jason Smith, Craig Dular, Ken Feimer, Dean Livengood, Brett Moore, James Matheny, Debbie Stutzman, Bruce Yuncker, Gerry Franz, Mark Love and Darrell Morrison. Not pictured here is Steve Hemmer.

Our Products

JERGUSON

Clark·Reliance
Boiler Trim / Instrumentation

JACOBY·TARBOX

Magne-Sonics

ANDERSON
Separator

NFS National
Filtration
Systems

HYCOA

Clark·Reliance
Aftermarket Elements

Helpful Links

\$125,000

5. All American Comics#16
(1940)
\$160,000

4. Superman#1
(1939)
\$270,000

3. Marvel Comics#1
(1939)
\$330,000

2. Detective Comics#1
(1939)
\$375,000

1. Action Comics#1
(1938)
\$440,000

