



Steam Leak Case Study

BENEFITS:

- Eliminate excess steam usage
- Lower condensate load
- Process will remain heated
- Reduce water hammering
- Identify all safety issues



BACKGROUND:

The client is a world leading producer of OXO aldehyde, propylene and ethylene in the U.S.

They employ over 1,500 employees and is located on about 6,000 acres.

RESULTS:

Client netted over \$9,000,000.00 after the steam leak survey and repairs were made. Excess steam and condensate load dropped dramatically. Reduced water hammering also.

THE TASK:

To reduce the steam load, keep the processes heated and to evaluate all steam lines.

STEAM LEAK SURVEY

- Total Leaks - 2,922
- Total PPH loss - 122,965
- Est. Annual \$ Loss - \$9,695,101

SOLUTION:

Perform a plant wide steam leak survey, inspect the system for any opportunities to conserve steam.

RECOMMENDATIONS:

For the client to implement a yearly steam leak survey into the preventative maintenance program to keep the steam and condensate load down.

Petro Chemical Energy

107 Madison Street NE
Russellville, AL 35653
Office: 1-256-331-2473
Fax: 1-256-331-2475

www.petrochemicalenergy.com