

PSV Evaluation Program

Engineering and design support for a pressure relief device evaluation program. The program involved the review and evaluation of 2,750 PSVs across multiple facilities in the US & Canada. Rally engineers used field walkdown information, vendor data, and piping dimensional information to determine the adequacy of each PSV installation.



PSV Evaluation Program

Alberta

Pipeline Facilities

\$3M TIC



Method

A field walkdown provided as building mark-ups around the PSV of the P&ID, photos of the installation, and nameplates of the PSV and related equipment. Engineers used this information, vendor data and piping dimensional information in calculation templates, to determine the adequacy of each PSV installation, or identify deficiencies and recommend corrective actions.

Outcomes

As a result of the program work, the client has:

- A complete record for each PSV of the documented calculation including references.
- An updated asset database identifying the characteristics of each PSV, including any deficiencies and recommendations.
- A fully completed datasheet for each PSV as it exists.
- A fully completed datasheet for each PSV with recommended changes (when applicable).