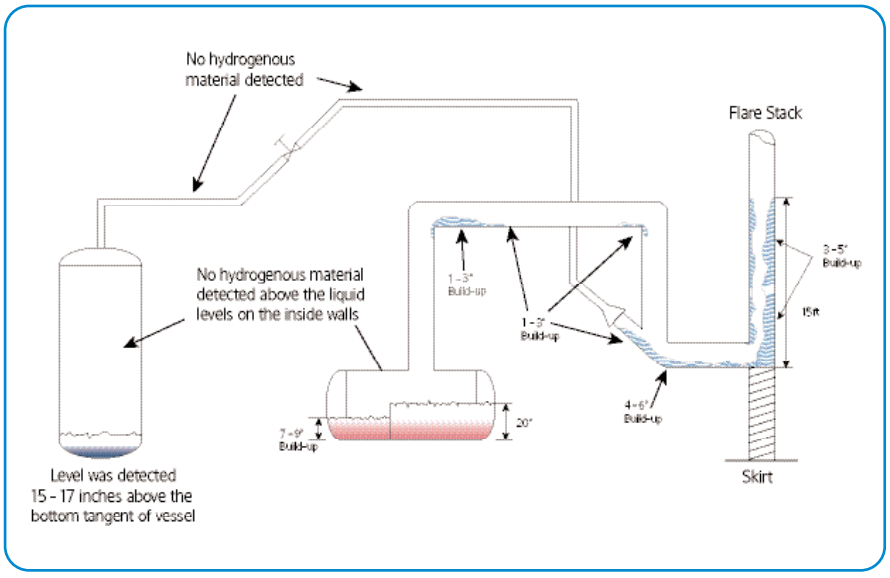
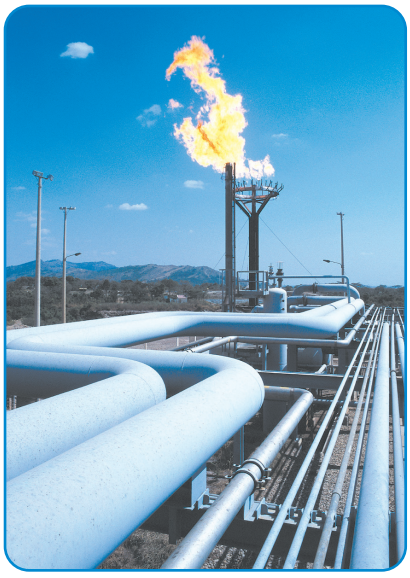
TruTec™ Scanning Services

Pipe Scan Studies

- Measure presence, extent and position of solids within a process pipe
- Locate an ice/hydrate deposit within a gas flare line
- Establish the extent, duration and frequency of slugging
- Measure liquid / gas interface passage during pipeline purging operations
- Confirm the presence of liquid carryover or gas undercutting within a vapor / liquid separator





TruTec™ Pipe Scan technology offers a non-invasive method of examining the contents of a pipe in a wide range of process industries. The technology uses a small hand held device that is positioned across the section of pipe under investigation. A measurement is taken of signal intensity and a direct interpretation of pipeline contents is made. The most common applications of this technique include the determination of solids build-up within a pipe, slugging of process gas, liquid or solid over a period of time through a transfer pipeline and the confirmation of liquid carry over or gas carry under within a two phase gravity separator.

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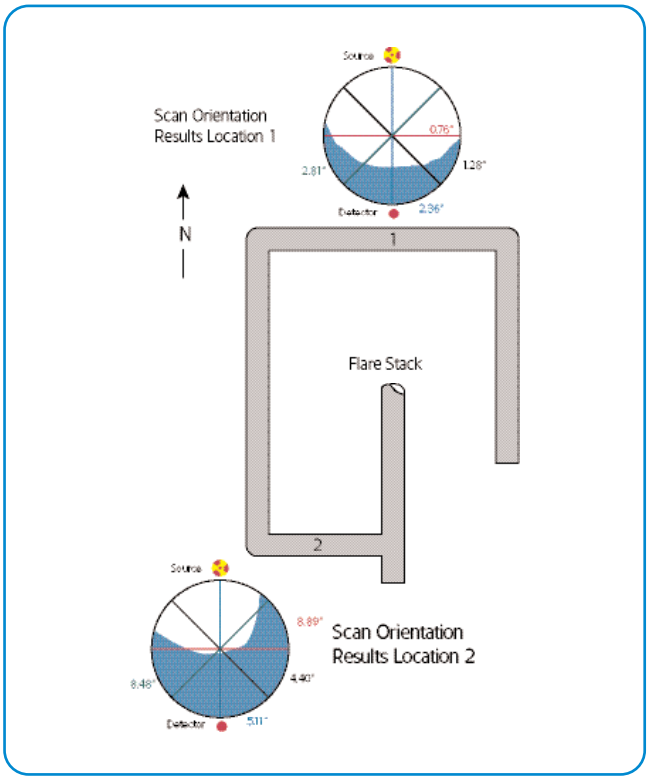
Gas Sweep Pattern Determination

A TruTec™ Pipe Scan can be used to quickly identify the amount and location of solids build-up or fouling that restricts process fluid or vapor flow in flare, transfer, steam and start-up lines as well as vessel overhead piping. The technology requires minimal preparation with no requirement to remove insulation.

The technology uses a yoke system that is designed to span the outside of the pipe. A sensitive radiation detector and source are located at each end of the yoke. The yoke is moved along the surface of the pipe and readings taken at set positions. The count rate at the detector is converted to a density reading. Knowledge of the expected density within the pipe allows the presence of solids to be detected. If the density of the potential solid build-up is known, the thickness within the pipe can be calculated. Measurements are typically carried out in both the horizontal and vertical planes across the pipe at each measurement location in order that a cross sectional profile of solids can be determined.

Tracerco has extensive experience of many different pipe scan studies. If you would like to discuss a possible application at your facility or you would simply like to learn more please contact a Technical Advisor in your area. Additional information is provided on our website at **www.tracerco.com**.



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