

# Pipe Scan - Deposit Detection

## The Service

- Detects build up of Polymers/Ice and product
- Detects build up of scale and coke
- Detects sludge in flare headers and lost refractory lining

## The Technology

Pipe Scans on pipelines or process piping are performed using one of two methods, depending on what is being investigated.

The first method uses the **Neuscan Detector** (see brochure insert) to find differences in hydrogen content between deposits and process fluids. This method is suitable for finding ice and polymer build up as well as other deposits.

The second method uses the **Gamma Scan** technique (see brochure insert) to find the differences in density between deposits and process fluids. The pipe scanner allows our personnel to quickly and accurately scan pipe of various sizes and at different angles to locate deposits anywhere inside the pipe.

## The Kit

The Roxby Neuscan detector uses a sealed radioactive source mounted next to a very sensitive Helium-3 slow neutron detector tube.

The Gamma scanning equipment is comprised of a Gamma ray source and radiation detector which is moved along the pipework at predetermined positions.

## The Benefits

- Light portable equipment allows for quick measurements of your lines
- Your pipeline personnel know the position of any build up immediately
- For a material of known density, the deposit thickness can be determined
- Up to hundreds of feet can be scanned per hour, depending on the measurement interval

### Some typical applications of pipe scanning are:

- Determining the presence and quantifying the thickness of ice, water, scale or polymer in your process lines
- Locating blockages in pipes
- Online monitoring for slugging or carryover of material

