

## Another Problem Solved by PipeServ

**Location: Western Australia**

### Application: Ammonia Lines (4 off) Repaired

PipeServ was able to offer a permanent repair on liquid ammonia storage tank piping. The facility Inspection Group had conducted CUI (corrosion under insulation) inspections and detected that four small bore pipes had severe wall loss. These pipes required repair before any leaks occurred which would have caused a major incident and facility shutdown.

These small bore pipes had no means of isolation so the options were either:

1. Shutdown two large storage tanks and replace the pipes.
2. Repair the pipes on-line.

The solution offered by PipeServ was for the application of ClockSpring|NRI Contour wrap. Contour is an engineered composite pipeline repair wrap, applied under a cold permit. Engineering was conducted to determine the repair design; confirming the number of wraps and the length of repair required to meet the design pressure and temperature.

With insulation removed, the piping was grit blast clean to a SA2.5 finish. The surface profile then confirmed to meet specified roughness for adhesion and leak sealing. ClockSpring|NRI Contour was supplied and installed by PipeServ as per engineering specifications and procedures. The ClockSpring|NRI composite wraps are able to provide for a permanent repair and engineered to meet the pipeline design pressures and temperatures.



<b>Pipeline Size:</b>	<b>DN20</b>
<b>Design Pressure:</b>	<b>25 Bar</b>
<b>Design Temperature:</b>	<b>-46°C to +60°C</b>

**Ph: +61 7 3161 6600**

**Email: info@pipeserv.com**

**Web: www.pipeserv.com**