Biomass plant pipe repairs

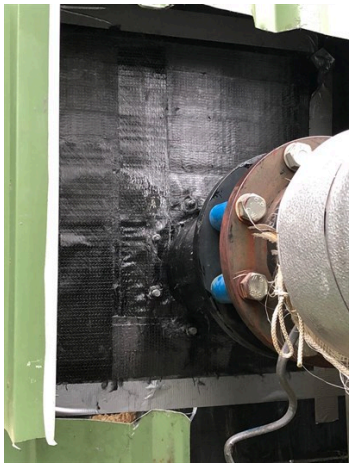
ID: 8163

Industry:	*Power*	Customer Location:	*Scotland*
Application:	*VPF-Valves, Pipes and Fittings*	Application Date:	*January 2020*
Substrate:	*Mild steel*		
Products:	** Belzona 1982 ,* ** Belzona 9381 ,* ** Belzona 9382 ,*		

Problem

Welding was not an option in this environment & the plant was keen to keep this tank running as the majority of the plant's operation depended on it.






Photograph Descriptions

* 1 - Surface preparation of tank wall ,
* 2 - SWII system applied & consolidation tape in application ,
* 3 - Application on tank wall ,
* 4 - Application on pipe ,

Application Situation

Following NDT testing of a digestor feedpipe, it was found that internal corrosion has caused the pipe wall thickness to approach the minimum allowance. A repair was required to reinforce this pipe without shutting down & dismantling the pipework.

Application Method

The area was prepared to SSPC SP11 using a mechanical abrasion cleaning process. Belzona 1982 was applied along with Belzona 9381 composite reinforcing sheet. A wrap system was applied to the feedpipe along with a patch system terminating onto the tank. Bracket bolts were patched around. The repair was then consolidated with Belzona 9382. The repair was done on a 'standard' SWII basis.

Belzona Facts

Using this system was much safer than welding & much quicker than dismantling & replacing the pipework.

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

www.belzona.com