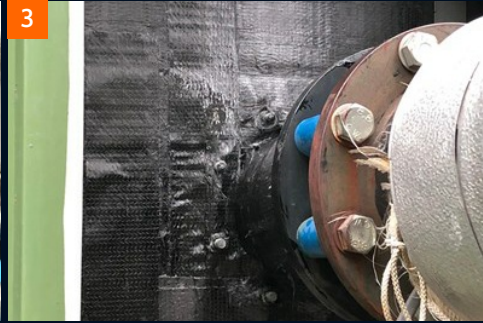


BIOMASS PLANT PIPE REPAIRS

ID: 8163



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.

APPLICATION SITUATION

Following NDT testing of a digester 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' SuperWrap II basis.

BELZONA FACTS

Using this system was much safer than welding & much quicker than dismantling & replacing the pipework. The repair was viewed onsite 5 years following the application & is in good condition.

INDUSTRY

Power

LOCATION

Scotland

APPLICATION DATE

January 2020

PRODUCTS

Belzona 1982 (SuperWrap II)

SUBSTRATE

Carbon steel

PHOTOS

1. Surface preparation underway
2. SuperWrap 2 consolidated
3. Completed repair
4. Repair in place 5 years later

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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