CORROCOAT

Case study: **Pipe Bend Protection Against Sulphuric Acid**

Internal Lining

Job No: VV 271

Client

Power Generation, UK.

Application date

August 2017.

Scope of work

Client surface preparation and protection of a pipe bend which would be exposed to high concentrations of sulphuric acid at operating temperatures between 5°C and 30°C.

Products

Plasmet AR3.

Plasmet ZF.

Substrate

Carbon Steel.

Coating system

- Masked off any areas not requiring treatment.
- Abrasive blasted specified internal surfaces with new abrasive in accordance with ISO 8501-1 to Sa2½ surface finish, to achieve a minimum surface profile of 50 microns.
- Complete a final blow down, sweep and vacuum cleaned thoroughly to remove dust.
- Applied Plasmet AR3 to an average DFT of 1500 microns.
- Carried out thickness testing.
- Spark tested following adequate cure of coating.
- Carried out post-cure in accordance with Plasmet AR3 data sheet.
- Once cured removed surface protection, dress edges and completed 100% visual inspection.
- Abrasive blasted the external surfaces with new abrasive in accordance with ISO8501-1 to Sa2 surface finish.
- Applied one coat externally of Plasmet ZF primer.