



Hardy[®]
Services

Case Study

Customer
United Utilities

Contract Value
£120,000

Windermere

Scope of Services

Remove scraper bridge (PST No1) using a mobile crane and lay down in the grassed area adjacent to the PSTs. Power and cabling, grease lines, etc. will need to be disconnected prior to removal of the bridge.

Empty and clean PST and provide a safe means of access into the tank for inspection of the tripod assembly.

Provide a condition report of all critical components. Non-destructive testing to be carried out on all submerged components.



Volume estimated: 850m³

Area: 283m²

Hardy[®]
Services

Tel: 0844 209 4565 info@hardyservices.co.uk www.hardyservices.co.uk



Mechanical Condition Report (Inspection)

PST



Accumulation of rags on scraper support frame.

PST Bridge Tripod Support



Accumulation of rags on cables loop.

PST Drive Motor & Gearbox



Note rotation monitor disconnected.



Corrosion on the underside of PST trolley wheel & framework that supports the scraper bridge.

PST Bridge Deck

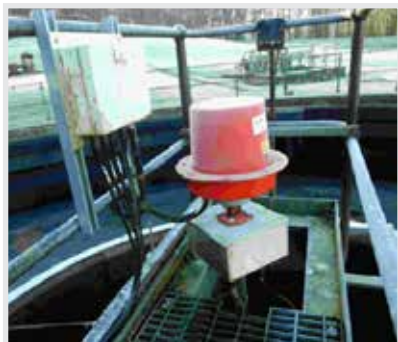


No extensive surface corrosion visible.
The scum scraper. Appears to be undamaged.



Signs of surface algae growth on metal components.

Bridge Slip-ring Housing & Junction Box



Signs of surface algae growth on component surfaces.



No decking or cover around centre spindle.



PST Inlet Baffle



The baffle visibly looks to be in sound condition with no cracks or delamination's.

PST Inlet Baffle



Some surface cracking at intervals otherwise track is relatively smooth.

“The installation of this project was very professional and the health & safety was second to none.”



Removal of PST Scraper Bridge & Repairs

PST



Drainage and empty surface water from PST Tank by a Vacuum Tanker.

PST Bridge Tripod Support



Installation of a floating scaffold making an easy access to the scraper bridge to remove the fixings.



Removal of PST bridge by crane.

Cleaning & Painting the Bridge



Installation of the new handrail and repairing to the deck.

Some surface cracking at intervals otherwise track is relatively smooth.



Installation of scaffolding inside the tank, access scaffolds were installed from ground level down into base of tanks and central tripod.



Removal the existing tripod and piperwork.



Installation of the new tripod and the new pipework. The installation was performed using a mobile crane for the lift and correct placement, we then fixed to the surface.



The Installation was completed and prepared for dry testing.

Hardy[®]
Services

Tel: 0844 209 4565 info@hardyservices.co.uk www.hardyservices.co.uk

