Petrotech Services
Total Service to Industry

TECHNICAL CASE STUDY

Belzona at Yorkshire Water

Location:

Yorkshire Water, Lundwood Treatment Works, Barnsley S71 5NP

Activity:

The Lundwood site in Barnsley has received a major overall during 2019 with investment of over £20 million including the construction of a new sludge treatment plant and refurbishment of site digesters. During this important project Petrotech were the preferred supplier to Belzona (the industrial protective coating specialist).

The Petrotech scope of work included the critical preparation of concrete site digesters using high pressure water jetting techniques at high velocity to remove existing industrial coatings, corrosion and fouling in preparation for new specialist paint systems prolonging the life of the assets.

Final word:

Belzona were very pleased with Petrotech Services throughout. We are anticipating carrying out further HPWJ & Coating removal works with them on similar projects in the very near future.

James Barnes
Safety and Operations Manager
Belzona Technosol Limited

Our values and approach

- As on all projects safety was our No. 1 priority and we were committed to maintaining a rigorous focus on safety throughout the project
- Provision of skilled Petrotech operatives, all expertly trained and fully Water Jetting Association accredited
- Complete surface preparation by the stripping of coatings and corrosion using specialist four-port rotating nozzles and high pressure water jetting units up to 15,000 psi (1034 bar) delivering an unprecedented level of cleanliness for new coatings - over 20 sqm were covered per day
- Dust free method specified to allow other trades to work in adjacent areas in a controlled manner
- Minimal waste disposal, i.e. 98% less than an abrasive blasting preparation method
- Reduced environmental impact due to minimal disposal needs
- Fully customised project for Yorkshire Water and Belzona ensuring all requirements and overall timelines were met
- Ongoing co-operation and liaison with the client and contractors on site throughout ensured all deliverables were met safely and on budget.

Petrotech Services Ltd, 15 Walcott Street, Hull HU3 4AU
Tel: **Hull - 01482 633901** Email: **sales@petrotechservices.co.uk**
www.petrotechservices.co.uk

WJA THE WATER JETTING ASSOCIATION