



CASE STUDY 5824D

R & EA2 PIPE BRIDGES GROWHOW, BILLINGHAM

Thompsons of Prudhoe were employed as principal contractor to remove asbestos and demolish a number of structures on the GrowHow site in Billingham. The project involved removing the asbestos from a length of pipework, demolishing a 12 metre high bridge from which the pipework was suspended across the site, as well as demolishing a disused oil gas substation.

As the site remained in operation throughout the demolition works, a strict exclusion zone had to be established to protect both GrowHow and Thompsons' staff. A traffic management system was put in place, to ensure site traffic wasn't disrupting the day to day operations of the site.

The project commenced with the removal of asbestos insulation throughout a large section of the site's elevated pipework.



DEMOLITION SPECIALIST OF THE YEAR 2014 WINNER



Project:
R & EA2 PIPE BRIDGES
GrowHow UK Ltd,
Billingham

Client:
GrowHow UK Ltd

Contract Administrator:
RVA Group

Project Value:
£396,000

Duration & Year
24 weeks - 2012

Key Aspects:
Asbestos Removal
Working at Height
Lifting / Craneage
Dismantling
Live Services

THOMPSONS
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The contaminated pipework was first wrapped and sealed to prevent the damaged asbestos from deteriorating further. The pipe was then removed in 5m sections, severed at existing break points and transferred to ground level by a tele-handler forklift truck. Each section was then stripped and environmentally cleaned, with all asbestos waste being transferred to a specially marked asbestos skip ready for safe disposal.

The second phase of the project involved dismantling the pipe bridge. The bridge structure was roughly 12m high and 6m wide, and carried redundant pipes and cables across the site. As it ran across one of the main site roads, every effort was taken to protect the road surface during the works. The bridge was dismantled remotely, bringing it down in small sections using the 360 degree excavator machine. All waste produced was then segregated and transported to our waste management facilities for recycling or disposal.

The final phase of the project comprised of demolishing the oil gas substation. A single storey brick structure, the station had housed the sites electrical switch gear, but was now redundant. Before demolition works could commence, the structure had to be cleaned of any residual oils. These were then disposed of in line with ISO 14001:2006 environmental compliance procedures. The station was then demolished remotely, using the 360 degree excavator machine with a concrete shear attachment.

All works involved in the project were completed in line with ISO 14001:2004 environmental, ISO 9001:2008 quality, and BS 6187:2011 demolition standards.

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