

CASE STUDY ACETYLENE BUILDING

Project: Asbestos Removal, Demolition and Ground Remediation
Client: BOC
Date: May to July 2012

Located in an industrial area of Bristol along the River Avon the former Acetylene Building situated within the 'live' BOC site was demolished by the RHD specialist team with subsequent praise from the Client.

A complete package was provided to BOC that included:

- Pre/post demolition CCTV drainage surveys
- Pre commencement surrounding pre-dilapidation surveys
- Structural Engineer methodology evaluation
- Asbestos Removal
- Demolition & Crushing
- Ground investigation/sampling strategy and remediation
- Formation of a hard standing

Protection of the public domain was of paramount importance throughout the project. A project specific scaffold screen was constructed under a temporary works design to act as a barrier for potential foreign object projectiles along the Whitby Road site elevation.

Through comprehensive Risk Assessments a remote mechanical demolition technique was adopted to remove the cement roof sheeting, eliminating a multitude of immediate hazards. Air monitoring in the form of personal and background reassurance was undertaken throughout, coupled with the latest water atomising dust suppression units. NO fibre release triggers were detected.

To finalise the site clearance a remediation strategy was implemented for the bulk fill material below the slab. In the form of by product 'ash', the infill was analysed for contamination and a "Dig and Dump" approach utilised.

All the processed hardcore was graded to a 6F2 certified material, this was then subsequently used to form a hard standing. CBR tests were carried out to verify the compaction rate achieved.

