

ABERYSTWYTH FIRE STATION Mid Wales



Client: Mid and West Wales Fire and Rescue Service
Contractor: WRW Construction
Site name: Aberystwyth Fire Station
Start Date: July 2015
End Date: May 2016
Anticipated waste arising: Approx 55m³

WRW is working in partnership with Constructing Excellence in Wales and the Enabling Zero Waste project to avert waste generated during the demolition and new build of Aberystwyth Fire Station. As part of the Enabling Zero Waste project the particular focus will be on ascertaining whether an unusual design results in the unnecessary generation of waste.



Pre demolition



Post demolition

Key Project Features and Predicted Waste Management Challenges

- Hazardous materials.
- A BREEAM 'Excellent' facility which includes a number of renewable systems.
- New facility to be seen as a community hub in the local area.
- Strategically important location for MAWWF to deliver its service.



Proposed aerial view



Proposed façade view

Working Towards Zero Waste

- Fire Station memorabilia donated to local museum.
- WRW salvaged kitchen and furniture from existing building and donated it to local charities and companies.
- Usable left over material to be donated to local charities.
- All brickwork set out to standard reducing the needs for cuts and waste. Angled bricks specified and to be manufactured offsite.

- Offsite manufacture of roofing insulation to ensure close to zero waste on installation. Material itself has a high recyclable content.
- REVIT model ensures that accurate volumes can be taken off to the nearest m³ in order to avoid waste of material.