



Project:
**Esholt Waste Water
 Treatment Plant**

Client:
**Keyland Developments
 & Yorkshire Water**

Contract Administrator:
Wardell Armstrong

Project Value:
£undisclosed

Duration & Year
5 Years from 2014

Key Aspects:
**11 Hectares Filter Beds
 Recycled Aggregate
 Site Reclamation &
 Preparation**

CASE STUDY

ESHOLT WASTE WATER TREATMENT WORKS

Thompsons of Prudhoe Ltd has made a solid start at its exciting 5 year project, and one of the first of its kind in the country, to demolish, recycle and reclaim part of Yorkshire Water's Waste Water Treatment Works at The Avenue, Esholt, near Bradford. The Site area is approximately 11.5 hectares and marked in outline in the photo above.

Thompsons' extensive experience of aggregate recycling, quarrying, aggregate production and sales, demolition, bulk earthworks and site preparation contracts all came together to secure tender success in this pioneering project. The initial success of the project is shown by the fact that within a month of commencement, Thompsons advertised locally for three new employees to be based at the site.

Cementing its reputation as a national demolition and reclamation contractor, Thompsons won the 3 stage tender ahead of 9 other contractors who had registered their interest for the project. Over the next 5 years Thompsons will:

- Demolish all pump houses and recycle all gantries and rail scrap on site
- Screen, crush, market, sell and remove all Filter Media on site,
- Restore the site as a basic development site platform for the ultimate new use of the site – however determined by the Site Owner in the future.



DEMOLITION SPECIALIST OF THE YEAR 2014 WINNER



THOMPSONS
 OF PRUDHOE

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Occupation of the site was handed over on 15th September 2014 by the site owner, Keyland Developments Ltd which is the sister company of Yorkshire Water Ltd – both 100% owned by the Kelda Group.

Following the first phase of enabling demolitions and removal of the former spray gantry rails to prepare the site, Thompsons have invested in a brand new crusher and permanent weighbridge, essential at the site for the sale of over 400,000 tonnes of high quality secondary and recycled aggregate to be generated and sold from the site. This recycled aggregate material is from the processed filter media formerly used at the site, being premium quality river gravel and high-specification furnace slag.

Sit less than 15 miles from both Bradford and Leeds, Thompsons' Esholt Water Treatment Works Reclamation Project will offer a consistent and continuous supply of secondary and recycled aggregate as a "green" alternative to virgin aggregates to help enhance the environmental and sustainability credentials of new construction projects throughout West Yorkshire.

At present, most aggregate supplying the market in the area is brought into the region by rail as the quarries are so far away.

The primary products we shall be focussing on supplying are Sub-base and single-size aggregates – ALL of which will be recycled or secondary aggregate and so no Aggregate Levy shall apply, again helping construction projects reduce the cost as well as increase the sustainability credentials of projects in West Yorkshire.

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Works**

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Yorkshire Water and Keyland Developments have already demonstrated the importance they attribute to the waste hierarchy by requesting a substantial tonnage of the former filter media is set aside for re-use by their other contractors on other water treatment sites. This market, linking up with Thompsons' existing base of national utility and construction customers will ensure the success of the project from a commercial as well as a sustainability point of view.

As well as maintain and create new jobs, this project will help maintain Thompsons of Prudhoe Ltd's status as one of the UK's leading demolition and aggregate recycling companies* and enhance their reputation further as a specialist in the water and utility services sector.

* Thompsons of Prudhoe Ltd were awarded the title "Demolition Specialist of the Year 2014" at the Construction News' annual UK Specialists Awards.



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