



Job Profile – Tate and Lyle Europe – Building 425

Project: Building 425 Deconstruction

Date: August 2010 / September 2010

Programme: Four Weeks

Overview: Works were undertaken for Tate and Lyle Europe decommissioning redundant process building that was to be re modernised. Our client required us to remove all process plant internally and deconstruct the 35m steel clad framed building which the process plant stood within.

Work Streams: Econ Construction were asked by Tate and Lyle Europe to remove all redundant plant from the building this comprised of purging all pipelines that fed 30 internal tanks.

The building was totally de cladded by operatives working from articulated boom's with all insulation to pipe work and the building removed leaving the internal plant and steel framework in situ.

The roof of the structure was removed so all internal tanks and plant could be lifted to a laydown area using a 35 tonne crawler where further cutting using oxy/propane cutting equipment was used.

Once the internal plant was removed the steel frame structure of the building was dismantled using oxy/propane cutting equipment and a 35 tonne crawler crane.

All steelwork within the laydown area was loaded into skips using 360 degree excavators for recycling.



Complexity:

These works were undertaken within a fully operational sugar refinery within a live tanker yard. During the demolition the utmost care had to be undertaken to ensure that the clients product and infrastructure did not become contaminated or damage in any shape or form. To ensure this Econ only employed highly trained and experienced supervisors and operatives within the industry to undertake the works.

Methods/Technology:

Because sugar can be explosive all pipework and tanks had to be fully purged and all flammable insulation removed from the building before any hot cutting could be undertaken.

The demolition and plant removal was undertaken using a 35 tonne crawler crane, hot cutting equipment and 360 degree excavators with grapple attachments.

Programme/ Delivery Constraints:

Works were carried out to the clients timescale and to the satisfaction of the client. This building was part of a three building cluster that was removed in a phased basis.



Plant used in conjunction with the works was as follows:

- 35 Tonne Crawler Crane
- 30 tonne Excavators with attachments
- 60ft Articulated boom
- 60ft Scissor Lift
- Lorry's and Skips



Recycling

Econ recycled 95% of all arising from this project. Including 200 tonnes of scrap metal.