



South Hook LNG *Milford Haven, Pembrokehire*

Regeneration of former refinery storage areas and reuse of materials to create new access and egress paths.

South Hook LNG is one of Europe's largest Liquefied Natural Gas terminals and has a total processing capacity of 15.6 million tonnes per annum of LNG and is capable of delivering up to 21 billion cubic metres per annum of gas into the National Transmission System, equivalent to around 20% of current UK Natural Gas requirements.

This large scale project, completed in 2010, at its peak saw 2500 workers on site with paramount importance placed on environmental considerations and community engagement. Constructing Excellence in Wales were asked to work with the team at South Hook LNG to offer best practice guidance and advice regarding the disposal of large quantities of concrete generated from the demolition of decommissioned and unused refineries which comprised a significant element of the site.

Consideration about the geographical location of the project was a major factor, the team recognising the potential negative effect of transporting C&D waste across miles of rural routes to closest recycling hubs.

PROJECT DETAILS

South Hook LNG Terminal at Milford Haven in Pembrokehire. Regeneration of land and reinstating access routes.

Best practice themes:

- Waste minimisation and recycling



PROJECT TEAM

Client: South Hook LNG Terminal Company Ltd

KEY CONTACTS

Paul Jennings, CEWales
paul.jennings@cewales.org.uk



The CEW team and Environment Agency for Wales worked closely with the team to present awareness for alternative uses of the C&D materials, considering several options and outcomes before supporting the internal project team to test materials and consider reuse of the material in situ as stabilisation materials in the construction of footpaths across the site and in storage areas at new buildings.

The project resulted in the diversion of approximately 40,000 tonnes of C&D waste from landfill and minimised the carbon usage by negating the need for transporting materials off site.

This important reuse project serves as a testimony to similar large scale regeneration projects to consider discrete on site sustainable interventions to minimise environmental impact.

Paul Jennings Director of the Waste Programme at Constructing Excellence in Wales commented:

“South Hook LNG Terminal Company Ltd placed huge importance in the protection of the environment and in working in partnership with the local community in Pembrokeshire, it was refreshing to observe the innovation and action that protected the environment and allowed the reduction of waste and reuse materials in this project”.

