

Biomass wood pellet boiler

ETA PE-K 90 kW

Rock UK, Whithaugh Park



Installation project

Our client, who operates an adventure centre, contacted Border Eco Systems to design, supply, install then maintain a wood pellet boiler to supply heat to their 20metre indoor swimming pool. The choice of an ETA PE-K boiler reflects its suitability for commercial projects and capability to meet the relatively large heating demand of the water in the pool.

A new purpose built building was constructed as a plant room to house the ETA pellet boiler and equipment, plus a custom built bulk hopper specifically sited to allow the wood pellet delivery vehicle easy access. Having been blown into the hopper, the auger along the bottom moves the pellets into the vacuum unit, automatically filling the boiler.

- ▶ **Boiler type** ETA PE-K 90 kW and fuel transfer system
- ▶ **Hopper** custom built to hold 12 tonnes
- ▶ **Flue system** Nova 200 twin wall stainless steel chimney system
- ▶ **Estimated fuel use** 40 tonnes per annum
- ▶ **Service requirements** empty ash once a fortnight and annual boiler service

Client testimonial

Neil was able to provide an excellent alternative to replace existing the LPG gas boilers that were at an age when they were starting to break down. Not only are we extremely pleased with the installation but also by our eligibility for the non-domestic Renewable Heat Incentive programme over the next 20 years.