



**Hargreaves**  
Industrial Services



## Ash & Residual Product Recovery



Norec currently operate and maintain contracts at a number of UK power stations which encompass working with PFA (pulverised fuel ash), FBA (furnace bottom ash) and the management of ashfield and lagoon areas.

PFA and FBA is generated from the combustion of pulverised hard coal in electricity generating coal fired power stations. PFA is collected from the exhaust gas stream of the furnace by cyclones in electrostatic precipitators (ESPs) or sometimes in a filter (bag house). It differs from FBA by having a much finer particle size, which means that it does not fall to the bottom of the furnace.

There is now a need to increase utilisation, particularly with the advent of environmental drivers such as CO<sub>2</sub> reduction measures, and economic drivers such as higher landfill duty and the implementation of bonds for the remediation of stockpiled sites.

PFA and FBA can be used to create valuable aggregates. These can be used in construction applications, for example in the manufacturing of breeze blocks and as a cement like product (grout) for filling mine workings.

Sample of Current Contracts:

**Eggborough Power Ltd, Gale Common Site – Contract held 10 years**

Gale Common Ash Slurry Dewatering Plant – Ash Handling & Lagoon and Ashfields Management.

Transport 600 - 800 tonnes from both Ferrybridge and Eggborough power stations onto PFA site for land reclamation including profiling and sealing. Emergency lagoon management including dredging and loading for export.

**E.ON UK plc, Ratcliffe Power Station – Contract held 12 years**

Ash Handling, PFA Transport, Lagoon Management, Ashfields Management.

Loading of PFA dust silo for sales and local ashfields. On site ash lagoon management to outfall consents and reclamation of filled lagoon for service. Ashfields Management including profiling and extensive sales.

**E.ON UK plc, Kingsnorth Power Station, Kingsnorth Power Station – Contract held 11 years**

PFA transport, PFA Loading, Ash Lagoon Management, Large Ashfields Management.

Loading of PFA from dust silo for sales and local ashfields. On site lagoon management to outfall consents. PFA Ashfields Management including profiling and extensive sales. Transport of conditioned PFA from silo to ashfields.