

## **Case Study – Centrica Power Stations Fuel Decommissioning**



### **Centrica Power Station Decommissioning Program**

The decommissioning project was split into multiple phases with a total of 23 million liters of fuel removed from all 4 sites.

#### **Roosecote Power Station**

Situated in Barrow in Furnace – The power station has historically had delivery of gas oil by sea with the supporting vessel pumping the fuel through a designated 2km long pipeline into the stations storage tanks. It was decided that due to the geographical nature of the power station that a reversal pumping procedure would minimize potential environmental incidents and provide the most cost effective solution to the fuel transfer project. Braemar Howells were contracted to re-engineer the existing pipework network and to utilize the stations pumping system to load vessels which were positioned in the local port lock system.

This required manufacturing additional bespoke manifold extension pipework to connect to 250m of flexible loading pipeline which was flange bolted to the ship. Prior to commencement a desk top simulation exercise was undertaken allowing all relevant parties to interact and to confirm the loading plan that was presented. This resulted in a confident starting point for the loading operation.

Every vessel was loaded in a controlled manor with total management by Braemar Howells with anticipated end points being relayed real time from the Power station to the vessel. In total 5 million liters were loaded by vessel without any issues reported.

#### **Kingslyn, Brigg, Peterborough**

It was decided that these three power stations would be emptied by road haulage. Therefore a loading system was put in place to remove the bulk of the product. Systematically the Braemar engineers purged the lines back to the storage tank emptying balancing and return lines along the way. Yet again the operation was carried out smoothly in a controlled manor which resulted in no spillage of product.

#### **Key Services Provided**

- Re engineering of existing systems
- Desk Top simulation exercise
- Management and control of the operation from cradle to grave
- Multi party engagement making sure everything was in compliance
- Specialist tank cleaning and gas free service
- Road Haulage loading systems

