

## Case Study

# Finding a solution for NORM for an Oil & Gas multinational

### The Client

This oil & gas company is an integrated energy organisation with 32,500 staff operating in 40 countries worldwide. Its operations include exploration, refining, transport and marketing of oil and natural gas.

### The Need

Naturally Occurring Radioactive Material (NORM) is a by-product of the processing and refining of gas and oil extracted from beneath the North Sea. As the focus increases on removal of deeper reserves, the NORM's radioactivity has increased, thus preventing its disposal to landfill sites. Consequently, it must be disposed of as low level waste.

### The Solution

Safeguard International first needed to negotiate with the appropriate UK receipt facilities to ensure this waste could be processed and disposed. A significant amount of pre-planning was undertaken in close liaison with the client to ensure the site work could be carried out safely.

Under the supervision of a dedicated Project Manager, the work was performed in two phases involving the loading and transport of two IP2 ISO containers containing the NORM-filled drums for disposal.



### The Benefits

Removal of the NORM waste enabled this multinational to continue accumulating and storing NORM waste without exceeding their Environment Agency authorisation, thus preventing any interruption to gas production.

Our unique access to recycling and disposal facilities meant that this waste could be disposed of safely and in line with regulations. The close working relationship shared by Safeguard International and the client ensured that the collection and disposal was carried out with minimum disruption to the site's operations.

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