

Case study 1

Location: North Scotland, Large Fuel Depot

Problem:

The main oil interceptor underground had developed a leak in 2005. It is estimated that 1 million litres had gone in the ground and was sat on the water table and perched in underground pockets.

The oil was migrating towards a major river and it was decided to use x6 extended travel 4" Pumps. The reason for the extended travel version was because the river has a 1 meter tidal fluctuation.

Site Problems:

1. The site has an Atex zone so we used 3 explosion proof timers to control 2 pumps each.
2. The site as mentioned has tidal fluctuations and therefore the extended version was used.
3. The product was only obtainable at high tide, and high tides shift in time throughout the year, so a Tidal switch was suggested, so at high tide the air was turned on via the timer for a set amount of time.

Results:

Since the system was installed and with an annual service visit the site has recovered an estimated. Total equipment list: x6 ADJ1000 with extended travel, 3 Explosion proof timers





