



## Littlebrook Power Station,

### Power Industry

#### Client:

RWE npower

#### Main Contractor:

Mantank Environmental

#### Specialist Contractor:

Resitech

#### Products Used:

Sikadur Combiflex System

#### Contact:

NCC for Bund Lining

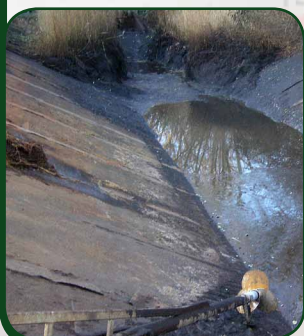
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## Case Study

It was discovered that contaminated cooling water held in Lagoon 1B at Littlebrook Power Station in Kent was in danger of leaking through the joints in the structure and there was a significant risk of contaminating the ground water.

Engineers from RWE-npower and their contractors decided that whilst the concrete structure itself was sound, the joints had deteriorated and required resealing securely. Due to the variable condition and dimensions of the joints, together with the fact that removal of the deteriorated sealant and oil contamination was totally impractical, if not impossible, the ideal solution was the Sikadur Combiflex System.



This is a highly elastic, tough and chemically resistant TPO membrane strip that is used to over-band deteriorated joints of variable width and movement when they cannot be cleaned out and resealed. It is bonded to the accessible concrete surface that can be effectively cleaned and mechanically prepared on either side of the joints, with Sikadur 31 epoxy adhesive.

NCC supplied 360 linear metres of the Sikadur Combiflex System that was all professionally installed by the experienced Resitech operatives, to ensure the containment lagoon remains watertight.