

## WD TECHNICAL DOCUMENT– REMEDIAL STRATEGY

### BACKGROUND

The CLR-11 guidance requires the formulation of an appropriate Remedial Strategy to ensure that the agreed remedial criteria are achieved. This takes the form of initially preparing an Options Appraisals which is a “progressive refinement of evaluation and selection of the remediation options for the site”, followed by an Implementation Plan that will include details of the design and calculations. On less complicated sites, the Options Appraisal and Implementation Plan can be combined into a single Remedial Strategy document, whereas the more complicated sites will require two separate documents. Both will require consultation with the regulatory authorities prior to commencing with any remedial works on site.

### OPTIONS APPRAISAL

The process involved in an Options Appraisal is designed to answer the following questions:

- Stage 1           What site specific remedial options may be applicable to the site?
- Stage 2           Which is the most appropriate remedial option for each pollution linkage?
- Stage 3           How will the remedial strategy be implemented?

Certain remedial options will have advantages over others for each site such that there will be optimum remedial techniques that will take into account all relevant factors such as clients time scales, budget, carbon footprint and sustainability.

### IMPLEMENTATION PLAN

An Implementation Plan will provide detailed design drawing and calculations of the remedial scheme to be used. The Materials Management Plan will be prepared and approved at this time as part of the requirements under the Industry Code of Practice on Waste. The roles and responsibilities of all parties concerned will be also need to be defined prior to prevent confusion. WD Environmental has experience with implementing the following remedial techniques:

- Ex Situ Bioremediation
- Off site disposal of soils
- Soil Stabilisation
- Groundwater Pump and Treat
- Enhanced bio-attenuation of groundwater
- Soil Vapour Extraction
- Funnel and Gate
- Thermal Desorption

