November 2009

In-Situ Bioremediation

Robson Liddle Limited Part of nps group

Robson Liddle Limited were asked to investigate the existing Montgomery School in Exeter, in order to facilitate the construction of a brand new Eco-School.

The new school is intended to be a Carbon Neutral in-use facility.

We found that one area of the current field contained elevated levels of the hydrocarbon compound Benzo(a)pyrene (BaP) and options were put forward to remediate the site.

Considering the methodology and aims of the Client to construct and educate in a sustainable way, Robson Liddle Limited recommended reducing BaP levels using Bioremediation.

Using SpillAway™ brand bioremediation products applied in three stages, we were able to apply the products and manage the project entirely in-house. The products are safe non-toxic and break the hydrocarbons down into water.

The method eliminated the need for costly and non-sustainable disposal of materials.

With the aid of shallow (1 metre) borehole installations acting as application points, we were able to administer the products directly into the ground as well as over-spraying the surface.

The affected area was cordoned from the rest of the site using standard block and mesh fencing with signage. It could then be simply and safely managed and tested.

The method reduced BaP levels well below current guideline values and enabled the soils to remain in-situ.