



Waste Management Total Solutions Ltd

Bio Remediation.

WMTS Ltd has over the last five years developed a process for cleaning railway ballast as well as soils, ponds, lakes and watercourses that have been contaminated with hydrocarbons and sewage, using bacteria based product.

In some circumstances there is the possibility and potential for mobilisation of the contamination and therefore WMTS have devised a system and technique to mitigate the effects of any mobilisation and are able to effectively control it satisfactorily.

Prior to any application of the product an evaluation is made with regard to the amount and type of contamination, the ambient temperature and the type of weather that will be experienced at the time of application and over any subsequent period of time.

The concentration and mix of the product is adjusted to suit the conditions and measured surface of the contaminated area. Adjustments are made for inclement weather or if there are winds and temperature fluctuations.

Also, because of the possible migration of the product it is important to know the depth of the groundwater and its' condition. It is for this reason that WMTS drills boreholes and takes water samples prior to any spraying and if contamination is noted in the groundwater, it can then be treated correctly. In addition to this, samples of contamination are taken from water, soils or solid surfaces and evaluated in laboratory conditions, before, during and after treatment.

The Environment Agency has been consulted on many occasions and they have been supplied with specialised data on the trials which they have evaluated. WMTS are the only company to have tested the product under all conditions, on the track, in all weather specific containers, in blind trials and in the laboratory. The application of the product is therefore not just about spraying with a standard mixture and must be evaluated correctly before starting any process.

With this in mind, after extensive testing, and evaluation by the Regulators, WMTS Ltd feel it is inappropriate to submit products for comparison against companies who have not engaged in such research.

Additionally, it is worth bearing in mind that any company that engages others to do such work without this requisite knowledge may be putting themselves in jeopardy of contravening environmental laws.

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