

BIOMEK™

WATER ENGINEERING & CHEMICAL

ENVIRONMENTALLY FRIENDLY HYDROCARBON DEGRADER



The Hydrocarbon Converter is a proprietary blend of mineral silicates designed to neutralise and reduce oils and other hydrocarbons upon contact for safe disposal. The hydrocarbon converter breaks down the long-chain molecules of hydrocarbon into shorter molecules. This chemically converts pollutants to less harmful substances with minimal effort.

When applied to contaminated soil, a nominal reaction time renders the contaminant irreversibly altered and the contaminant now no longer possesses its chemical fingerprint. The conversion and encapsulation process results in harmless reaction products such as organo-silicates.

Environmentally Friendly, Non-Toxic, Water Soluble
Non-Flammable.

TRIAL A

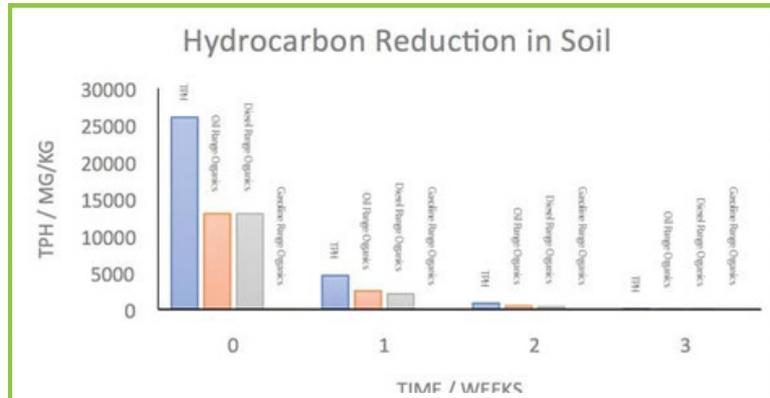
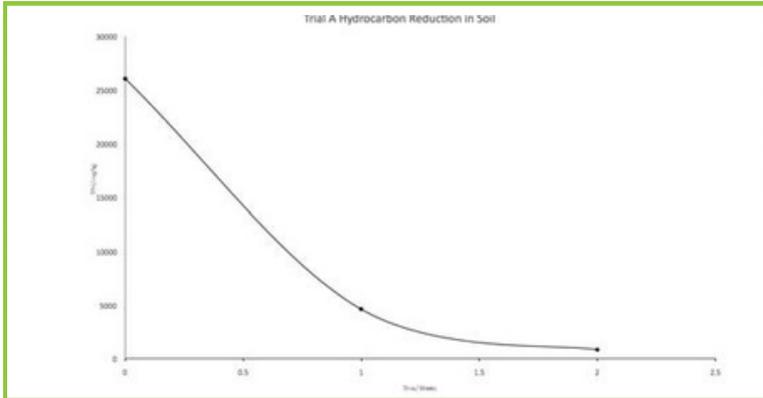


Trial with 30,000PPM TPH hydrocarbon contamination
Contaminated soil treated on a lined bio pad



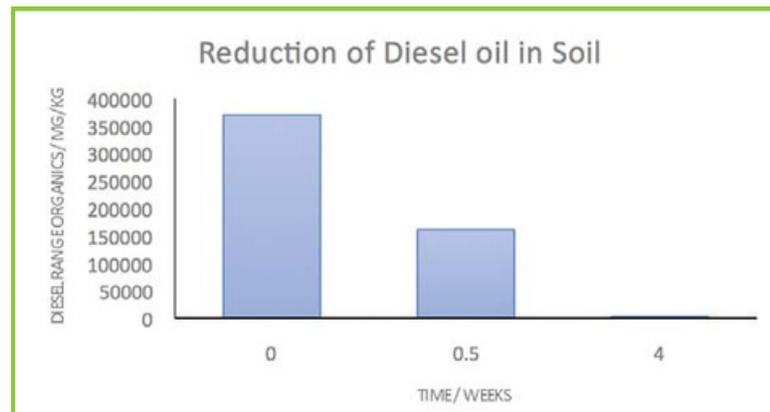
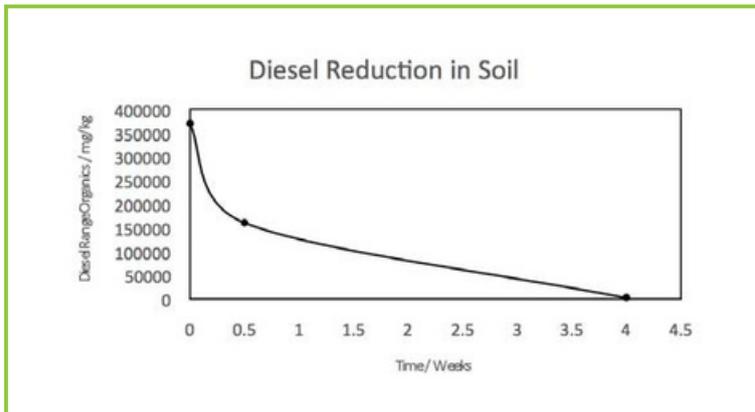
Over 95% reduction in TPH levels within 2 weeks
Difference noticeable by colour change 3 weeks

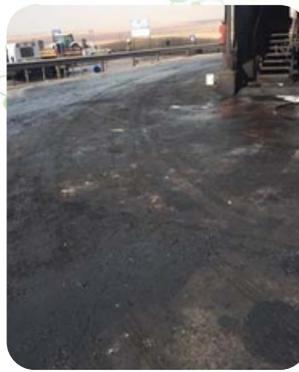
TRIAL A RESULTS



TRIAL B RESULTS

396000ppm initial contamination [23rd/02/2019]
16000ppm within 3 days [26th/02/2019]
2600ppm within 3 weeks [19th/03/2019]





BENEFITS:

- Biodegradable
- Non-toxic
- Water soluble
- Non- flammable

USES OR APPLICATIONS:

- Soil remediation
- Oil & hydrocarbon spills
- Acid spills
- Heavy metal **encapsulation**
- Cleaning of railway lines, platforms, depots, in situ ballast etc.
- Cleaning of storage tanks and equipment
- Cleaning of intertidal zones
- Cleaning of marine vessels at sea
- Concrete & tarmac surfaces



HOW TO USE:

GENERAL SPILLS:

Use undiluted for heavy spills, or 1-1 for medium spills or soiling. Dilute 1-3 for light cleaning, or for repeat cleaning.

Apply product to spill, allow a few minutes to penetrate, then agitate with a brush. Allow to stand for 20 to 60 minutes and then rinse off with water. Allow to dry off and let nature disperse. Repeat if necessary.

SOIL REMEDIATION

Also very effective in soil remediation, mix 1:1 with water to allow for better distribution of product. Continuously turn the soil over to make sure product comes into full contact with affected soil. A second application is required after 3 -5 days. The soil should you then be left to stand for a further 30 days.

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