

Advanced BioTech

Developer of BioWorld Products

Woodside Property Bioremediation Case Study



Four steel fuel storage tanks (2 diesel, 1 gasoline and 1 bunker oil) were excavated from various locations on a residential property. Soil samples were collected and analyzed for total petroleum hydrocarbons (TPH) which indicated soil contamination was present (the highest TPH concentration was 8,100 mg/kg).

The County Health Services Agency requested that the contaminated soil be disposed at an appropriate facility. BioWorld teamed up with an engineering company and proposed bioremediation as a viable option.



With the approval of the regulatory agency, a treatment cell was constructed for the 280 cubic yards of stockpiled soils. The contaminated soil was spread out on plastic and contained within a berm to prevent runoff.

BioWorld hydrocarbon treatment products and water were added to the soil. The soil was mixed with a rototiller and moisture added as needed. After 2 months, soil samples were collected and analyzed. The results indicated a reduction in TPH concentrations to below state action levels.

BioWorld Products used:
75064 Bioremediation Enhancer
32086 Hydrocarbon Digester Microbes

