BIOREMEDIATION OF SOILS

CONTAMINATED BY HYDROCARBONS

Ecoil technologies

OIL POLLUTION OF SOILS

The volume of produced oil increases annually in the World. Oil spills occurring both in the fields themselves during production and during transportation are particularly dangerous. Oil, being an environmentally hazardous substance, when it enters the environment (soil, water bodies) oppresses important life processes. In addition, the negative impact on the environment of petroleum hydrocarbons with high toxicological and carcinogenic properties is reflected in the removal of part of agricultural land from use, changes in terrain and landscapes.

WHICH SOLUTION?

The processes of self-healing and self-purification of nature are no longer sufficient to cope with pollutants that travel through the air and water into the soil and accumulate there. That is why the demand for soil decontamination technologies is growing now. The choice of a technology is determined by the surface characteristics of the contaminated area, the severity of its contamination, the conditions of soil, and the meteorological parameters, as well as by the intended use of the area. The advantages of bioremediation are associated with the ability of living systems, especially microorganisms, to metabolize a great variety of organic compounds with but a minor impact on the environment and insignificant changes in the main characteristics of soil and at a relatively low operational cost.

OUR OFFER- ECOIL SunsetBIO ™

Our company offers a technological solution based on its own development - ECOIL SunsetBio™ complex of biodegradation of various types of soil contamination "in situ." The approach we offer is simple, highly efficient and cost-effective in relation to current solutions.

ECOIL SunsetBio™ - For Hydrocarbon Environmental Decontamination (Liquid)

ECOIL SunsetBio™ is a highly concentrated blend of natural bacteria specifically chosen for their ability to metabolize petroleum hydrocarbons and treat environmental contamination. ECOIL SunsetBio™ degrades a wide range of hydrocarbon compounds, including crude oil, gasoline, diesel and jet fuels, motor oil, lubricating oil, heating oil, and paraffin. ECOIL SunsetBio™ effectively degrades BTEX (benzene, toluene, ethylbenzene, and xylene) contamination and other aromatic compounds, such as phenol, found in industrial wastes. ECOIL SunsetBio™ is effective in bioremediating contaminated soils, groundwater, surface waters, treatment plants, and lagoons.

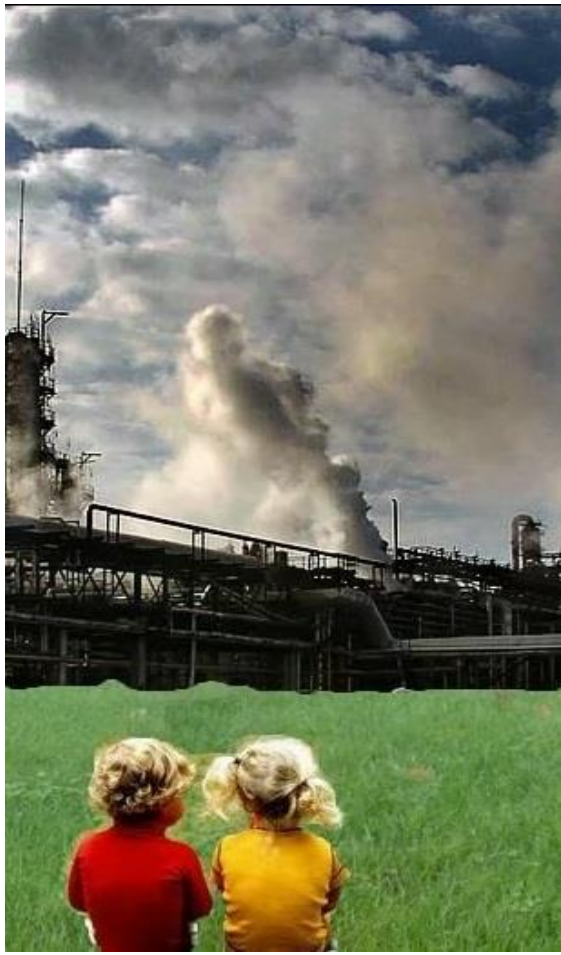
CASE STUDIES

Application of the technology on the territory of the field AUCA - EP PETROECUADOR In Ecuador showed high efficiency up to 96% of soil purification, within 4-5 months, at low specific costs. Similar results were also recorded:

- During biremediation of oil spill in Komi Republic LUKOIL KOMI LLC

- In case of complex bioremiditation of soaked ecotope of the October Railway of Russian Railwais company.

- As well as landfarming of oil slums on one of the technological sites of the oil field district of Perm region of Russia.



THANK YOU

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