

5. Purification of the Oil Contaminated Soil by Bioremediation Method

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In recent years, the problem of oil contaminated soil is actualizing, and are used the methods, such as digging removal and sealing containment. Though, there are little washing, and thermal treatment and bioremediation.

In this report, the purified effect of having used bioremediation was summarized by using some kinds of oil contaminated soil, and performing a treatability test, a small scale actual proof examination and a real scale examination to purify.

According to it, if a microbe active agent is used, the pollution soil of kerosene can be purified in one-two weeks. Moreover, although the soil polluted with lubricating oil can be purified in six-eight weeks if it is 2% or less of low concentration, in 3% or more of high concentration, sufficient effect by purification was not completed in the period for ten weeks.

Key words: oil contaminated soil , bioremediation, real scale examination to purify, ATP, smell of oil