



# Bioremediation by OSEI

(Soil treatment method proposal by local bacteria)

General Sales Agent of JAPAN :

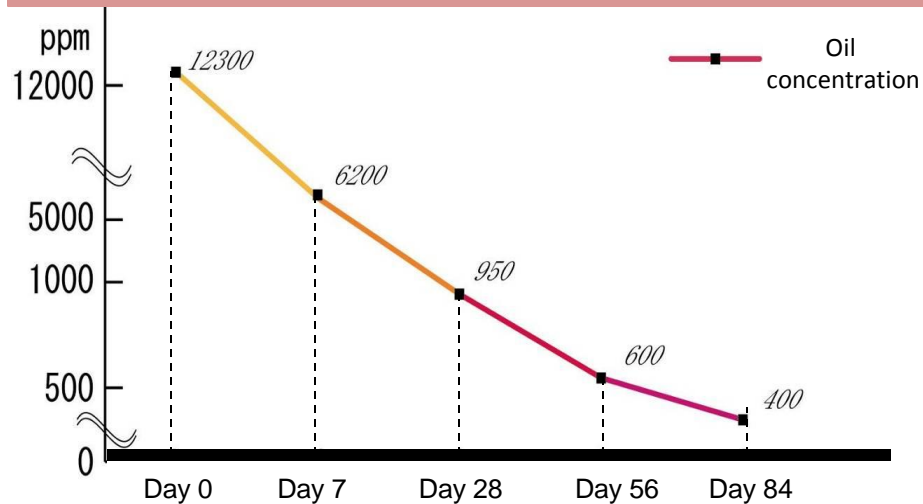
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# Data : Oil decompose rate of OSEII bio stimulation

## Analysis By University of Yamanashi (JAPAN)

### Proceedings oil decompose



About ppm (parts per million) :

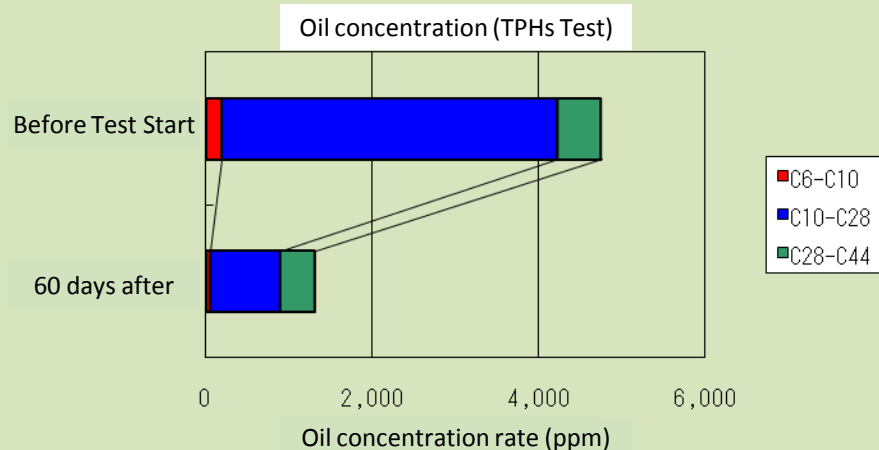
ppm is rate of contamination level of each soil.

We multiply amount of soil by ppm.

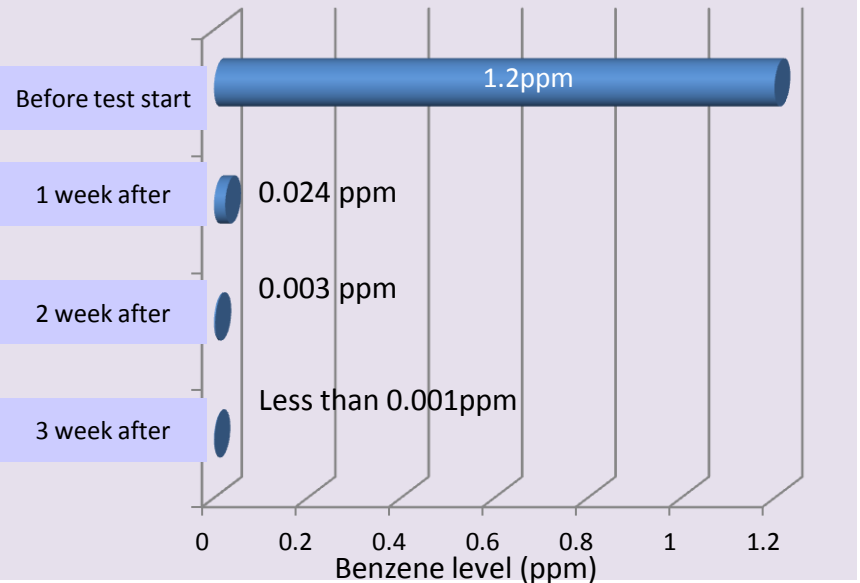
For Example: If the rate is 12300ppm from amount of 3000kg soil which means contain oil about 37kg (1.23%).

\*Usually most of pollution rate is 1000-7000ppm.

### Proceedings each oil decompose



### Proceedings Benzene level

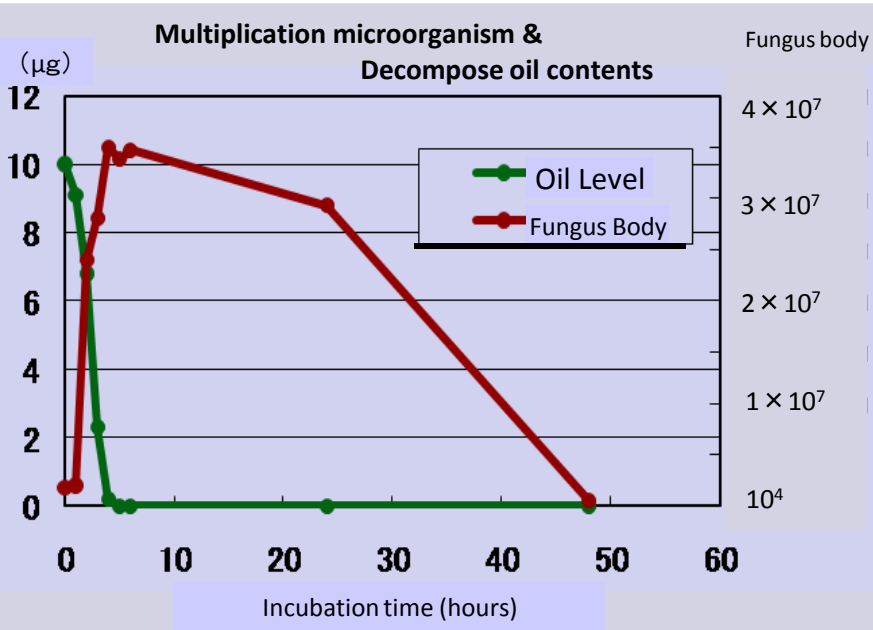
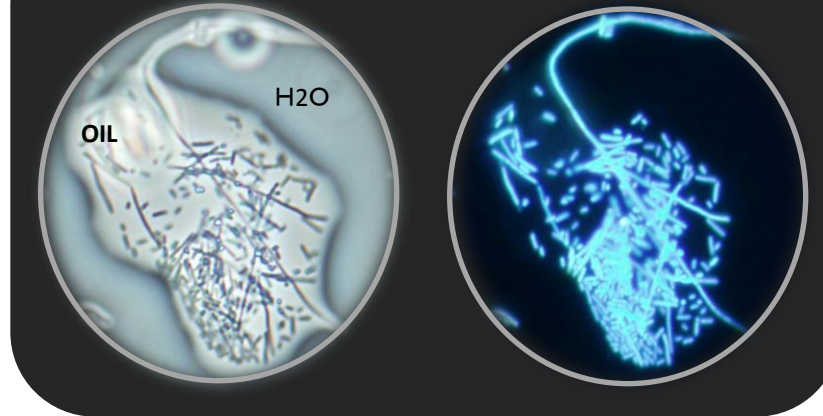


### TPH = Total Petroleum Hydrocarbon

TPH include [hexane](#), [benzene](#), [toluene](#), [xylenes](#), [naphthalene](#), and [fluorene](#), other constituents of [gasoline](#), of [jet fuels](#), of [mineral oils](#), and of other petroleum products.

# Reference data

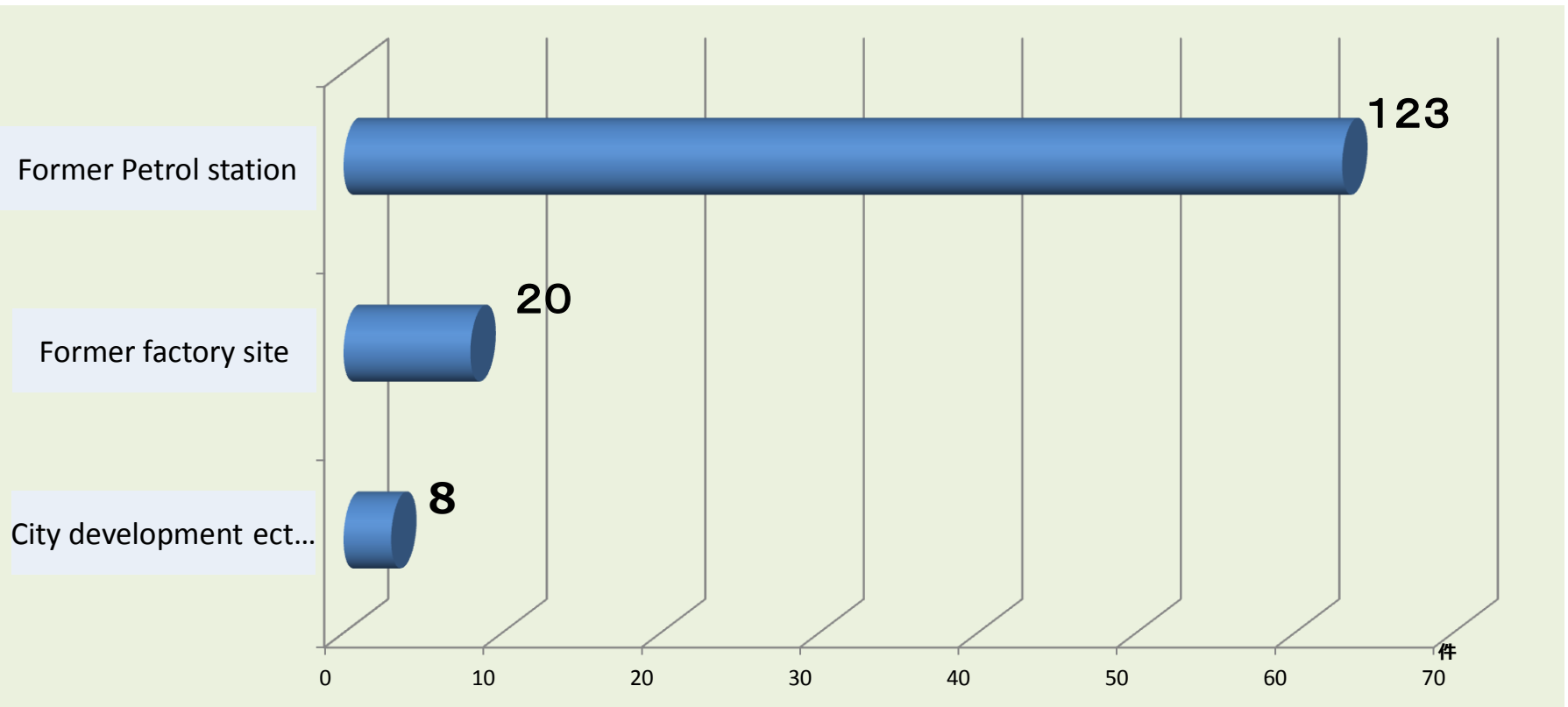
Microorganism flock around the drop of oil surface.



# Record of purification by OSEI product in JAPAN

Record of purification: Oil content + oil film + oil odor + benzene from Soil or groundwater

Jan.2004~Jan.2013



## Site Photograph in Japan ① Former Petrol station





## Site Photograph in Japan ② Former Petrol station

