

CASE STUDY #3

Client:	Metro Oil Corporation
Location:	Tucson, Arizona USA
Physical Site:	Several holding tanks used for petroleum oil. Average size of tanks is 10,000 gallons.
Problem:	Received "Notice of Violation" from ADEQ for illegal discharge of used oil to soil. Depth of contamination was six feet.
Previous Treatment:	None
Biological Treatment:	July 5, 1994 – Analytical tests showed TPH = 24,100 ppm. August 15, 1994 – PDM-7 H.C. Microbe was applied to soil at 1 gallon per cubic yard with the necessary nutrients and water. The soil was rototilled every week and moisture was kept at 25%. A second application was made on September 1, 1994.
Biological Treatment reduction Results:	Second sample dated September 8, 1994, showed in THP levels to 9,180 (23 day period). By October 6, 1994, the THP levels had dropped to 723 ppm.