

雲林縣環境保護局計畫成果中英文摘要（簡要版）

- 一、中文計畫名稱：六輕及斗六工業區土壤及地下水高污染潛勢調查計畫
- 二、英文計畫名稱：
High pollution potential survey of soil and groundwater in the sixth naphtha cracker and Douliu Industrial Park.
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富立業工程顧問股份有限公司
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Heavy metal, tetrachloroethylene, fluoride salts, urban soil, groundwater, industrial park
- 十五、中文摘要
本計畫自 106 年 2 月啟動三樣區調查工作，分別為斗六工業區南側、北側樣區及六輕工業區，過程中分別於工廠監測井、工業區公有道路監測井及公有綠地皆有查證相關超標土壤點位或監測井地下水污染。簡述污染情況如下。
(1)斗六工業區南側
在斗六工業區南側樣區調查結果顯示，有 2 處監測井地下水發現污染情況，分別為富喬公司 P00488 監

測井及公道路上 P00588 監測井、DL03 監測井，前者檢出地下水氟鹽項目超過第二類地下水污染管制標準，後者為四氯乙烯超過第二類地下水污染管制標準。

(2) 斗六工業區北側

斗六工業區北側樣區調查結果顯示，3 家工廠內部綠地土壤有重金屬超過污染管制標準，5 家工廠於廠外鄰近綠地檢出土壤有重金屬超過污染管制標準，另外在復興路、斗工二路公道路綠地有 9 處土壤重金屬超過污染管制標準。

(3) 六輕工業區

另外在六輕工業區調查結果顯示，查證 1 處土壤有重金屬超過污染管制標準、既有整治場址芳香烴三廠 P00296 監測井檢出新污染物 TPH 項目超過第二類地下水污染管制標準、及台塑石化輕油裂解二廠 P00295 監測井檢出重金屬砷超過污染管制標準。

十六、英文摘要：

The project started investigations in three areas since February of 106. They are the south side of the Douliu Industrial Park, the north side of the Park, and the sixth naphtha cracker industrial Park. The process includes monitoring wells in the factory, public road monitoring wells in the industrial area, and public area. Investigate soil contamination beyond the standard or monitoring groundwater contamination. The pollution is as described below.

(1) The south area of the Douliu Industrial Park.

The survey results in the southern area of Douliu Industrial Park showed that there were two monitoring wells that found groundwater contamination. The P00488 monitoring well in the Fuqiao company and P00588 monitoring well of public road and DL03 monitoring well. The former detected more groundwater fluoride salt than the Standards. The second category of groundwater pollution control standards, the latter for tetrachloroethylene exceed groundwater pollution control standards.

(2) The North area of the Douliu Industrial Park.

The survey results in the northern plot of the Douliu Industrial Park show that the heavy metals in the Urban soil of the three factories exceeded the pollution control standards, and that the five factories of outside the factory had detected heavy metals exceeding the pollution control standards in the urban soil. In addition, There are nine area of heavy metals in the urban soil at the Fuxing Road and the Dougong 2nd Road exceed the pollution control standards.

(3) The sixth naphtha cracker industrial Park

The results of the investigation in t the sixth naphtha cracker industrial Park show that there is a site of heavy metal in the soil exceeding the pollution control

standards, and the original remediation site of the aromatics third plant P00296 monitoring wells detected new pollutants TPH exceeds the groundwater pollution control standards, and P00295 monitoring wells detected heavy metals arsenic exceeded pollution control standards.