



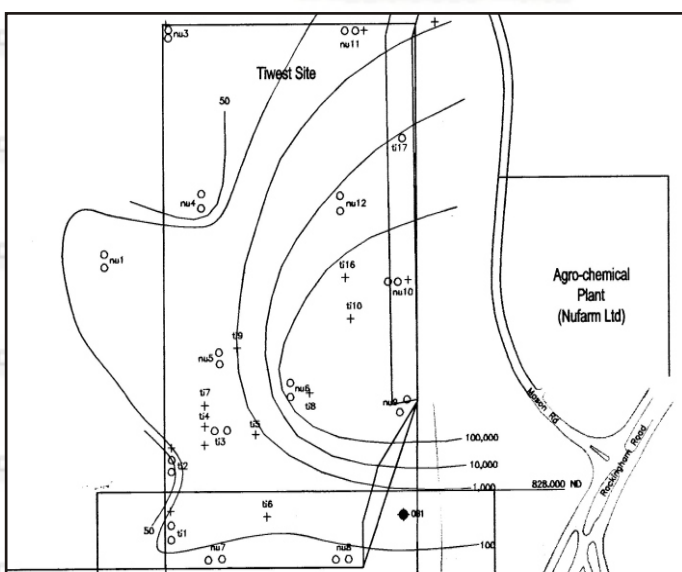
PROJECTS

CONTAMINATED LAND & GROUNDWATER

Contam 5

WESFARMERS CSBP

Desk appraisal, impacts from organo-chlorine groundwater plume



An initial assessment of groundwater contamination by organo-chlorine (OC) pesticides and herbicides, including 2,4 D and 2,4,5 T arising from an adjacent former manufacturing facility was undertaken at the Kwinana Plant. The site currently abstracts groundwater from superficial aquifers for process and cooling water on its eastern boundary.

On-going monitoring in peripheral bores had detected OC contaminants. The radius of influence from the existing borefield under an increased abstraction rate was modelled.

It was concluded that an increased abstraction rate had caused a local reversal in hydraulic gradient leading to the on-site migration of contaminants.

Recommendations were made for changes to the abstraction regime and on-going groundwater monitoring.

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