



PROJECTS

CONTAMINATED LAND & GROUNDWATER

Contam15

PHASED GROUNDWATER INVESTIGATION

Bulk Chemical Storage and Manufacturing Facility, Kwinana, WA

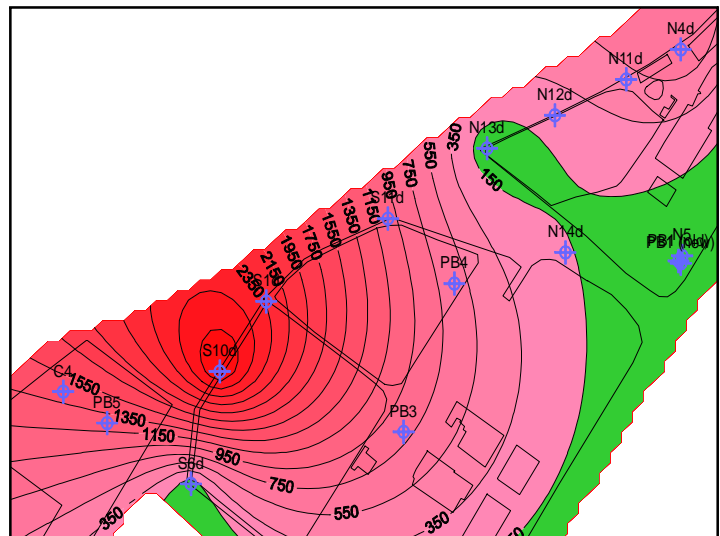


A phased groundwater investigation is underway at a bulk chemical storage and manufacturing facility. The site stores diesel, petrol, caustic and acids, and manufactures a variety of agrochemicals at three adjacent sites. The work is being undertaken to improve groundwater monitoring in line with site operating licence conditions to adequately characterise the groundwater system beneath the plant.

An initial study reviewed the history of chemical storage, manufacturing and the existing monitoring record.

The initial investigation phase has established fourteen nested piezometers on the downgradient boundary, to monitor groundwater at depth throughout the saturated profile, given the wide variety and varying properties of chemicals on the site.

Monitoring of all bores has revealed apparent impacts on ambient groundwater quality arising from the site operations. Subsequent phases of investigation will provide in-plant bores, and adequate monitoring on the upgradient boundary.



Additional work is likely to establish whether the site is a 'source-site', and the extent of any off-site impacts on groundwater quality.

HydroSolutions Pty Ltd
U14, 14 Whyalla Street
Willetton
Western Australia 6155
Tel: (+61 8) 9457 5448
Fax: (+61 8) 9457 4293
Mob: 0403 021533

E-mail: stuart.jeffries@hydrosolutions.com.au
Website: www.hydrosolutions.com.au

