



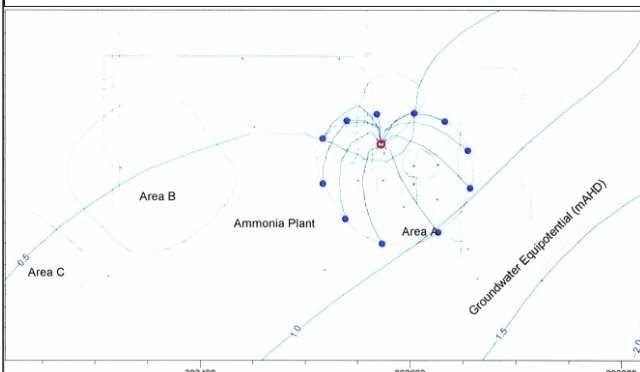
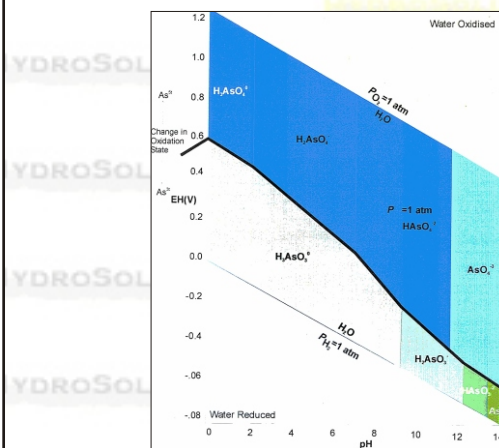
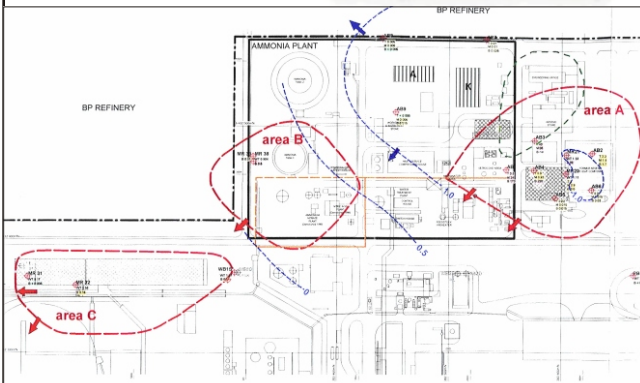
PROJECTS

HYDROGEOLOGY

Hydro 4



Part aerial photograph courtesy of DoLA



WA Based Agrochemical Manufacturer Environmental Management Plan, Arsenic groundwater plume

A review of management options for an arsenic groundwater plume was undertaken for an agrochemical works in Kwinana, WA.

A review of existing site operations, historical spillages and leaks, and existing monitoring data was undertaken.

A walkover survey with additional groundwater sampling was undertaken, together with preliminary hydraulic testing.

An occupational health and safety risk assessment addressing health risks to site workers was undertaken due to the presence of arsenic in soil and groundwater.

A review of treatment options was undertaken for the removal of arsenic from the recovered water.

A numerical groundwater model was used to identify options for pumped recovery of the plume and recharge of treated water.

A cost review was undertaken of recovery and treatment options.

Recommendations were made for implementation of the arsenic management plan.

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