



PROJECTS

ENVIRONMENTAL AUDIT

Audit14

PROPOSED MAJOR INDUSTRIAL DEVELOPMENT, KWINANA

Currently vacant industrial land in Kwinana is earmarked for the development of a clean-coal-fired power station. A voluntary Contaminated Site Audit (CSA) is being undertaken on behalf of the site owner in order to obtain a site classification from the DEC.



The 76 ha site has historically been used for the disposal of chemical wastes, including:

- Landfarming of oily wastes
- Asbestos burial
- Tetraethyl lead (TEWL) sludge
- Pyrophoric scale
- Calcium fluoride
- Arsenic sludge
- Nickel & chrome catalyst
- General building rubble.

Previous remedial works have not been entirely successful, and contaminants remain on site above applicable guidelines for industrial development. Shallow groundwater is also impacted by:

- Hydrocarbons from on-site waste disposal
- Metals, including arsenic and copper from waste disposal
- Hydrocarbons from on-site migration
- An organo-chlorine plume from on-site migration.

The audit has reviewed the stage 1 Preliminary Site Investigation (PSI) and stage 2 Detailed Site Investigation (DSI). A Site Management Plan is currently being prepared as stage 3 to undertake necessary remedial works to allow the site to be safely developed for intended industrial purposes.

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