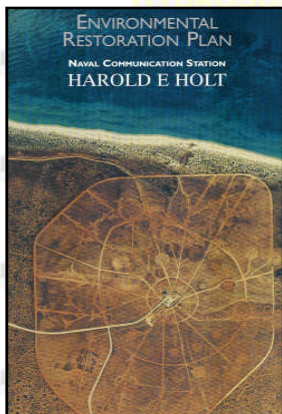




PROJECTS

SITE REMEDIATION



SiteRem4

COMMONWEALTH DEPARTMENT OF DEFENCE

Environmental Restoration Plan, NCS Harold E Holt, Northwest Cape, WA

Contamination had arisen at the Naval Communication Station due to historical waste disposal, chemical applications, industrial activities and chemical spillages since commissioning in 1966. The base extends to four areas in excess of 15km<sup>2</sup>.



The main contaminated materials included:

- Mixed domestic and industrial wastes
- Discharges of bunker fuel & diesel
- Organo-chlorine herbicides/pesticides
- Polychlorinated biphenyls (PCBs)
- Garnet from maintenance operations
- Asbestos building wastes
- Metals leached from below ground structures



The remedial scheme involved the removal of contaminated materials present above environmental guidelines either for bioremediation & replacement, or disposal to a class IV (low-level) waste landfill, the first to be designed & commissioned in WA. Removal of contaminated material was validated. Each excavated area was to be re-instated with topsoil and re-seeded with native vegetation. An aftercare period of five years was specified.



An on-going monitoring program was put in-place to verify that the intent of the remedial program was met.

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