

DADHC Stockton Large Residential Centre Stage 2 Environmental Site Assessment, Stockton NSW



*Assessment of
environmental risks
in a sensitive marine
and foreshore
setting*

Client: NSW Department of Commerce

The Department of Aging Disability and Home Care Residential Centre has been used for mental health accommodation and treatment purposes since 1911. The site comprised a number of potential environmental risks associated with the historical landfilling and waste disposal activities, coal fired boilers, coal ash disposal, and storage and use of petroleum hydrocarbons. E3 staff completed a sampling program to determine the nature and extent of contaminated material within four higher risk areas that included a general, medical and hazardous waste landfill trade workshops, boiler house and underground storage tanks.

Human health and ecological risks were identified as part of the assessment including risks associated with waste disposal and exposure to hazardous wastes such as asbestos. Property management options for the areas of environmental concern were developed and presented to the relevant stakeholders. Conclusions and recommendations were outlined for the management and remediation of the landfills through either on-site encapsulation or removal of up to 60,000m³ of waste.

The involvement of E3 staff in this project demonstrates our skills in the following areas:

- Experience in complex site assessment and remediation;
- Evaluation of human health risks associated with asbestos exposure; and
- On-site application of comprehensive technical skills.