

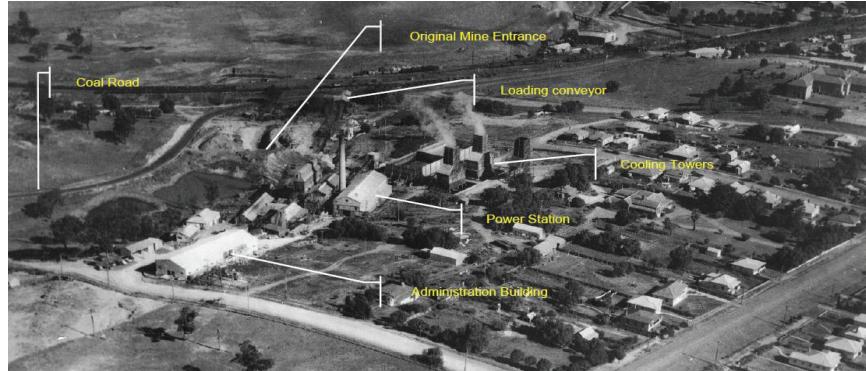
Remediation Action Plan for Former Power Station and Coal Pit Top

Kleinfelder were engaged to investigate and develop a remediation action plan (RAP) to manage asbestos in and on soil detected across the 8.6ha project site. The client proposes to divest the site in a responsible manner and remediate potential contamination risks to future occupants resulting from the site's historical use.

PROJECT RESULTS

The RAP provided by the Kleinfelder team provided the client with a sufficient detailed design and earthworks specification to tender for the future civil construction works to achieve the desired environmental outcomes for the site.

Kleinfelder also advised the client on their requirement for a Long-term Site Management Plan to be followed by future users of the site to mitigate future exposure to asbestos in soil. The remediation works required Consent Authority approval as designated development. Kleinfelder also reported on the Environmental Impact Statement to support the subdivision of the site.



IDENTIFYING THE RISKS

Kleinfelder conducted a Detailed Asbestos Investigation (DAI) of the site. This identified dispersed locations of Asbestos Containing Material (ACM), Asbestos Fines (AF) and Fibrous Asbestos (FA) both in and on the soil, resulting in the site being notified to the NSW Environmental Protection Agency under Section 60 of the Contaminated Land Management Act (1997).

UNDERSTANDING THE CLIENT'S GOAL

The client's goal was to return the site to beneficial use that would support the growth of the local community. Kleinfelder presented the client with options to achieve their desired outcome that included rezoning of the site for future use as R1 General Residential and RE2 Private Recreation.

Working with the client, the remediation strategy included relocation of fill within the site to address asbestos in soil, aesthetics and ecological issues. Capping of the fill using site-won material and application of a compost blanket was selected to re-establish vegetation cover and a stable surface. The adopted remediation strategy provided a sustainable approach, using only site-won material comprising some 30,000 m³ of cut and fill earthworks.



Location:

Hunter Valley, New South Wales

Owner:

Confidential Client