



Project: FORMER ALUMINIUM ANODISING WORKS
Investigation and Remediation

Location: Villawood, NSW
Client: Aluminium Anodisers Pty Ltd

Highlights

- Former anodising works
- Wide range of liquid and solid wastes including acids and bases
- Site assessment and preparation of remedial action plan

Background

C. M. Jewell & Associates was commissioned by the owner of the property to investigate soil contamination and characterise the chemical residues remaining at the plant.

Following the investigation, a remediation strategy was formulated. A selective tendering process is currently under way.

Hydrogeological Environment

The soils on site are alluvial clays overlying weathered Triassic shale.

Contaminants

A range of acids, alkalis and some heavy metals were identified on site.

Objectives and Scope

The investigation of the site commenced with a visual assessment. A wide range of tanks, drums and sumps, many filled with unknown liquids and solids, were present, as were residues on the ground surface. The location of an underground fuel storage tank was identified.

A sampling program was planned and implemented; this involved sampling and analysis of soil, a soil vapour survey around the site of the underground storage tank and identification of the liquid and solid residues. Remediation goals in keeping with a future commercial use were developed and a remediation plan was then drafted.