



Project: DRUM RECONDITIONING WORKS
Environmental Audit

Location: Western Sydney, NSW
Client: Major Australian Banking/Finance Group

Highlights

- Environmental Audit of operating drum reconditioning works
- Contamination Audit of closed drum reconditioning site
- Soil and groundwater contamination assessment
- Health and safety review
- Air emissions control
- Stormwater management
- Remediation and Environmental Management Plans.

Background

C. M. Jewell & Associates Pty Ltd was commissioned by a banking group to undertake audits of two drum reconditioning sites in which it had a financial interest. The sites had been in operation for many years, and soil contamination was evident.

Hydrogeological Environment

Fill and alluvium overlying Wianamatta Shales.

Objectives and Scope

A Stage 1 study, comprising historical review, geological, hydrogeological and drainage appraisals, and a walkover assessment was completed for both sites. A sampling plan for Stage 2 was prepared.

Subsequently a detailed Stage 2 study was conducted, involving soil sampling, groundwater monitoring borehole drilling and sampling, and wide-ranging laboratory analysis.

Concurrently with the Stage 2 sampling, a health and safety review of process operations was conducted on the active site, and options for controlling air emissions from the drum furnace were reviewed.

Detailed recommendations and costing for site remediation were then prepared.