



The Remediation Group
we do the groundwork

Turning liabilities into assets



CASE STUDY / Oil Major in Australia

Company

The company is one of the leading refiners and marketers of petroleum products in Australia.

Challenge

A petroleum storage and distribution terminal in Victoria had a groundwater treatment system that:

- Had been designed for another terminal where it had been operating successfully.
- Had been decommissioned, relocated, modified and re-commissioned at another terminal.
- Was operating less than 50% of the time due to persistent mechanical problems.
- Was not achieving acceptable treatment efficiencies.
- Was unacceptably costly to run due to daily maintenance requirements.

Solution

Seeking to resolve a remediation equipment problem rather than engaging another consulting firm, company asked The Remediation Group to investigate. We attended to site and :

- Observed the system's configuration to identify modifications from the original design.
- Reviewed the operational logic to determine why the system was shutting down so frequently.
- Recommended a number of repairs, modifications and additions appropriate to this site, to improve treatment efficiency and operational reliability.
- Carried out the changes and progressively worked the faults out of the system.

*“As a result of
The Remediation Group’s work,
the system has worked efficiently
with higher recovery, and
equipment failures are very rare”.*

**Environmental Specialist
Oil Major in Australia**





*“This has resulted in cost savings associated with maintenance costs.
The system has now achieved the desired goal and will be decommissioned.”*

**Environmental Specialist
Oil Major in Australia**

Since then, The Remediation Group has carried out minor upgrades including the introduction of telemetry system to enable remote access to monitor performance. The Remediation Group continues to perform regular preventative maintenance on the system.

Results

As a result of The Remediation Group’s modifications:

- The system has been improved operating reliability, from less than 50% of the time to 98%.
- The volume of groundwater extracted and processed has increased from 2.2ML in 2005-06 to 16ML at the end of 2009.
- The volume of PSH (Phase Separated Hydrocarbons) extracted peaked early and by the end of 2009 approximately 3,100 of PSH have been recovered.

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