



PROJECTS

ENVIRONMENTAL AUDIT



HydroSolutions Audit 5

GREENWAYS ENVIRONMENTAL: Environmental liability assessment of landfill operations

An environmental liability audit was undertaken of 21 operational and closed landfill sites acquired by Greenways from its parent company, ARC Ltd. The audit comprised a qualitative assessment of costs to mitigate identified liabilities.

The audit was conducted through site visits, interviews with site staff, reviews of available documentation and public archive records. A common objective proforma was developed, including location, extent, nature of operation and fill materials, construction and monitoring/performance criteria.

The relative environmental sensitivity of each site was assessed based on hydrogeological setting, proximity to watercourses, and surrounding landuse.

For each site, the identified or potential liabilities were defined. Mitigation measures were outlined to address specific impacts. Cost estimates were developed to retro-engineer remedial measures, including containment, capping, landfill gas extraction, groundwater recovery and monitoring for a 100-year aftercare period. A 'worst-case' scenario for complete removal and reinstatement was also examined.

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