

GCDA Landfill Gas Monitoring and Control



Client: Gold Coast Desalination Alliance

E3 Consult was successful in assisting the Gold Coast Desalination Alliance (GCDA) to provide on-site environmental monitoring of landfill gas (LFG) at the GCDA Tugun Plant Construction Site and to provide design options for the control of LFG present at the site.

An integrated approach to site remediation

E3 installed 9 LFG monitoring wells across the site and undertook LFG monitoring and reporting. In response to elevated concentrations of LFG gases being detected, E3 provided a conceptual design report outlining the design options for landfill gas management and control. This report provided a conceptual design for the preferred design options for the GCDA site.

The involvement of E3 staff in this project demonstrates our skills in the following areas:

On-site application of remediation skills and experience

- Experience in industrial site remediation;
- Remediation experience, in particular relation to landfill gas monitoring;
- On-site application of comprehensive technical skills.