

AUSTRALIAN LANDFILL AND TRANSFER STATIONS CONFERENCE

21-23 OCTOBER | BRISBANE, QLD

2026



Workshop – Landfill Gas: Beyond the Basics Wednesday 22 October 2026 9:00am – 5:00pm

Effective management of landfill gas is essential to avoid its potential on-site and off-site impacts, including explosion risk, asphyxiation, greenhouse gas emissions, odour and toxic compounds. Managing it well requires an understanding of the science and the engineering methods and tools used to assess, monitor and control it.

Building on the WMRR Landfill Gas Management 101 training, this workshop takes a deeper dive into evaluating gas generation and collection, system operations, monitoring and common problems.

9:00am	Welcome and Introductions Dr Stuart Dever
9:15am	Session 1: Evaluating Landfill Gas Generation & Collection Dr Stuart Dever – Modelling using the NGER Solid Waste Calculator Nick Simmons – Modelling using GasSim Dr Bob Gregory – Beyond GasSim: Improving forecasting and management Aidan Marsh – Field validation of modelling and desk studies
10:45am	Morning Tea
11:00am	Session 2: Landfill Gas System Operations Aidan Marsh + Stuart Thurlow – Beyond the Basics: Gas Field Management
12:30pm	Lunch
1:30pm	Session 3: Landfill Gas Monitoring Nick Simmons, Stuart Thurlow + Paul Lightbody – Evaluating risks and the CSM, monitoring networks (layout/design), programs, methods and equipment; interpreting data; flare and engine emissions; trace gases; and site emissions measurement (SEM, drones, satellites)
3:00pm	Afternoon Tea
3:15pm	Session 4: H₂S Generation, Emissions & Other Common Issues Dr Bob Gregory – Hydrogen sulphide generation and emissions in landfills Aidan Marsh – Issues you may face
4:30pm	Q&A
5:00pm	Workshop Close