

2 June 2026

## METHANE CONTROL PROGRAM UPDATE

Zeotech Limited (ASX: ZEO, “Zeotech” or “the Company”) is pleased to provide an update on its Methane Control Program (“Program”), with early on-site trial results at the North Burnett Regional Council (“NBRC”) landfill demonstrating that Zeotech’s zeoteCH<sub>4</sub><sup>®</sup> technology has reduced methane emissions by an average of 92% compared with untreated control areas over the initial monitoring period.

The on-site landfill trial, being conducted with Griffith University (“Griffith”), commenced in February 2026 and represents the live operational validation phase of the Program following the successful simulated landfill trials<sup>1</sup> previously announced by the Company. Griffith’s interim report confirms that the field program is progressing as planned, with early results exceeding expectations. The program is well advanced with material preparation and baseline monitoring completed, and technology testing continuing.

### HIGHLIGHTS

- Initial on-site trial results show zeoteCH<sub>4</sub><sup>®</sup> reduced methane emissions by an average of 92% versus untreated control cells during the first monitoring period from 18 March 2026 to 30 April 2026.
- Additional analysis of the methane and carbon dioxide ratio indicated an apparent methane oxidation (reduction) efficiency of approximately 90%, providing further support that the technology is materially reducing methane released at the landfill surface.
- The trial has advanced through the first two planned stages, with Activity 4A (material preparation and blending) and Activity 4B (baseline site measurements) now complete, and Activity 4C (technology testing) underway.
- Monitoring is continuing through to early August 2026 to assess how the technology performs over a longer period and under a broader range of environmental conditions.

Griffith University, School of Environment and Science, Australian Rivers Institute, Dr Chris Pratt commented:

*“These early field results are highly encouraging and represent an exciting milestone for the program, demonstrating strong technology performance under real-world landfill conditions rather than controlled laboratory environments. During the initial monitoring period – which coincided with some very heavy rainfall – methane emissions from the zeolite-treated cells were consistently and materially lower than those from the untreated control cells, achieving an average reduction of 92%. Importantly, the gas ratio data further support that methane oxidation is likely a key contributor to these outcomes.*”

<sup>1</sup> ASX Release 12/05/2025 “Successful Completion of Methane Control Program”

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*While monitoring remains ongoing and longer-term datasets will be important, the results provide a strong early indication that the technology has the potential to offer landfill operators a practical and scalable pathway for materially reducing methane emissions in operational settings.”*

Zeotech Chief Executive Officer, James Marsh, commented:

*“This represents an important operational milestone for Zeotech and provides strong early validation of our zeoteCH<sub>4</sub><sup>®</sup> methane mitigation technology under real-world conditions. Compared with untreated areas of the landfill, the zeolite-treated cells achieved an average 92% reduction in methane emissions during the initial reporting period, with multiple readings exceeding 97% methane elimination, representing an exciting and highly encouraging outcome for a live landfill environment.*

*Importantly, these results have been generated through an on-site trial at a representative regional landfill, reinforcing the program’s commercial relevance and scalability. Many Australian landfills do not have gas capture infrastructure in place, and our objective is to develop a practical, passive, and cost-effective methane control solution suited to these operating conditions. With monitoring continuing through to August, we look forward to further strengthening the dataset and advancing the commercialisation pathway for zeoteCH<sub>4</sub><sup>®</sup>.”*

## Background

As announced on 12 January 2026, Zeotech commenced a major on-site validation trial of its methane emissions control solution at an NBRC landfill under a research agreement with Griffith<sup>2</sup>. The trial followed the successful simulated landfill work completed previously at Griffith, where one of Zeotech’s zeoteCH<sub>4</sub><sup>®</sup> biofilter products consistently reduced methane emissions by more than 90% relative to controls<sup>3</sup>.

The Program is designed to develop a zeolite-based methane mitigation technology for deployment within landfill capping soil to adsorb methane and eliminate it through chemical and/or biological oxidation.

The current field trial is intended to test this performance under real operating conditions at an active regional landfill over a six-month program, with monitoring continuing through to early August 2026.

## Project Update

The field trial is being undertaken at the Mundubbera Waste Management Facility in the North Burnett Region of Queensland. Baseline field surveys confirmed that the selected landfill areas were actively generating methane and were suitable for comparative testing, demonstrating both elevated emissions and the spatial variability typical of landfill covers.

This baseline work confirmed that the selected areas contained a mix of low, medium and high-emitting zones, providing an appropriate real-world setting to test whether zeoteCH<sub>4</sub><sup>®</sup> could materially reduce methane emissions compared with untreated landfill cover.

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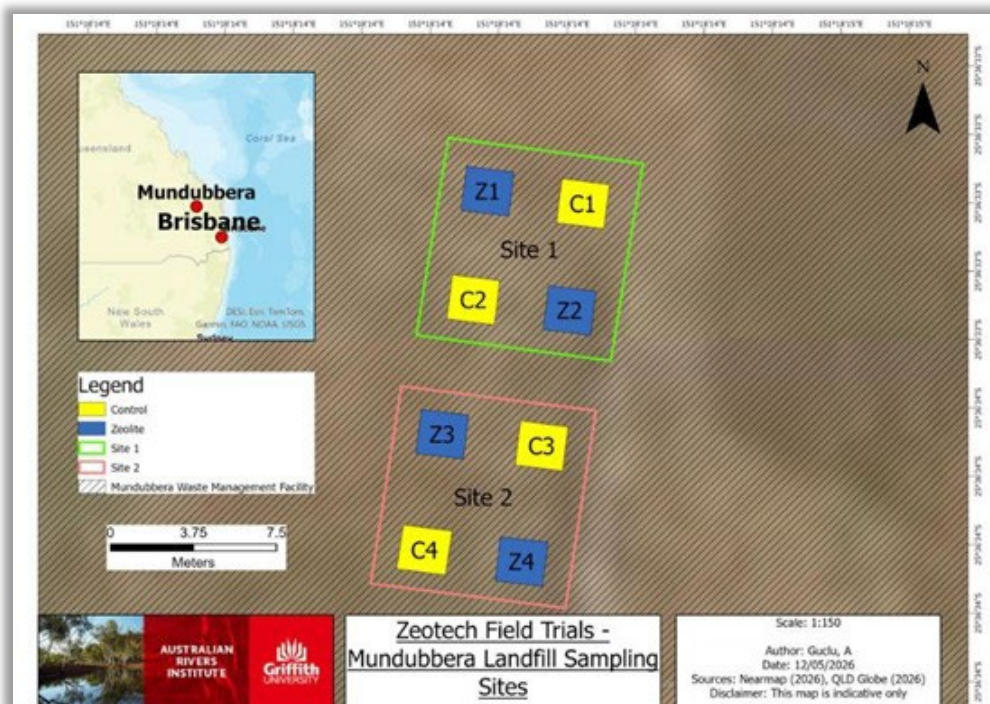
<sup>2</sup> ASX Release 12/01/2026 “Methane Control Program Advances to On-Site Landfill Trials”

<sup>3</sup> ASX Release 12/05/2025 “Successful Completion of Methane Control Program”

Since its commencement in February 2026, the Program has completed the first two major workstreams – Activity 4A (material preparation and blending) and Activity 4B (baseline site measurements) – and is now well advanced on Activity 4C (technology testing).

The zeolite-based material selected for the on-site trials is the highest-performing zeoteCH<sub>4</sub><sup>®</sup> biofilter identified in the earlier simulated landfill configuration at Griffith.

Baseline methane and carbon dioxide measurements were then conducted across the selected landfill areas before the technology was installed. These surveys showed strong methane generation across both sites.

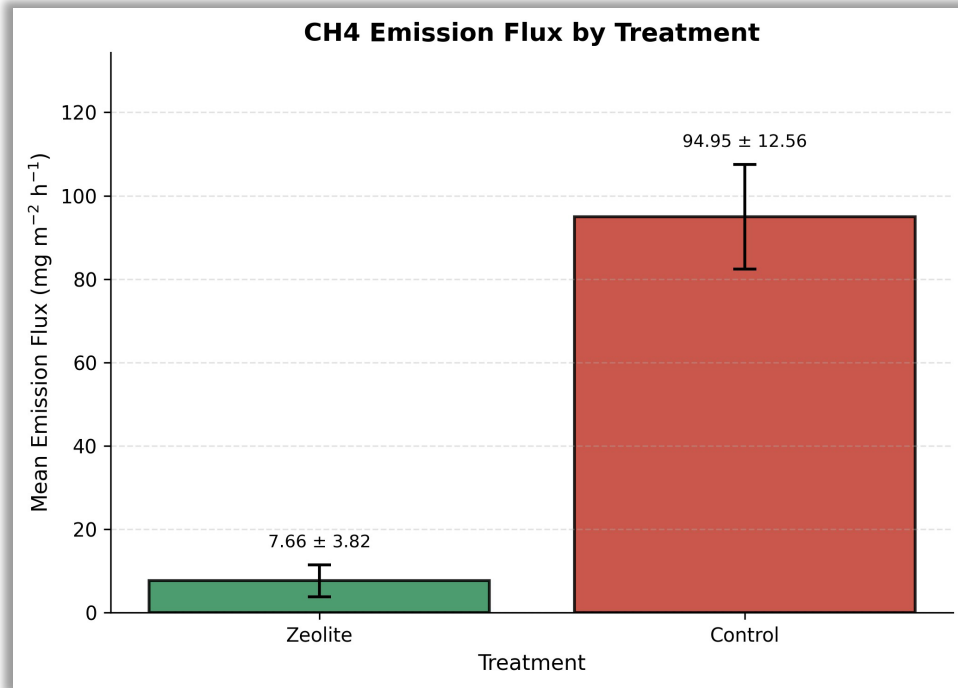


**Figure 1: Map showing the location and layout of the field trials at the Mundubbera Waste Management Facility**

Griffith established eight 2m x 2m test cells, comprising four zeolite-amended cells and four untreated control cells, allowing direct comparison between treated and untreated areas under the same landfill conditions (**Figure 1**).

Gas fluxes from the cells have been measured using static chambers and portable gas analysis equipment. Over the first key monitoring period, from 18 March 2026 to 30 April 2026, methane emissions from the zeolite-amended cells were found to be substantially and consistently lower than emissions from the control cells.

Using the average methane flux for the four zeolite-amended cells compared with the four untreated control cells, Griffith reported a 92% reduction in methane emissions for the zeolite-amended treatment relative to the controls (**Figure 2**).



**Figure 2: Methane Emission Fluxes in ZeoteCH<sub>4</sub> cells compared to Control (no treatment) cells**

Griffith analysed the methane to carbon dioxide ratio in the treated and control cells and it was materially lower in the zeolite-amended cells.

Using the control ratio as the practical baseline, Griffith estimated an apparent methane oxidation (reduction) efficiency of approximately 90%, which supports the interpretation that the zeolite-treated cells are not merely delaying methane movement but are likely contributing to meaningful methane elimination within the amended cover profile.

The trial encountered a significant rainfall event in early March 2026, with approximately 220 mm of rain recorded over three days shortly after cell construction.

Two zeolite cells were partially eroded and required remediation. Griffith subsequently reported that methane and carbon dioxide readings from those repaired cells did not show clear post-event gas emission spikes, indicating that the remediation was effective and that the cells recovered adequately and continued to perform as intended during the monitoring period.

This provides a useful early indication that the technology may be able to recover from field disturbances.

Field monitoring is continuing through to early August 2026. This remaining program period is expected to provide a broader operating dataset across changing seasonal and environmental conditions, including further insight into the consistency and durability of the methane mitigation effect over time. If performance remains strong, the results would further support the commercial potential of zeoteCH<sub>4</sub>® as a practical, passive, and scalable methane control solution for landfills, particularly those without conventional gas capture systems.

This announcement has been approved by the Board.

- End -

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## About Zeotech

Zeotech Limited (ASX: ZEO) is a team of dedicated people working together to build a future-focused company, leveraging wholly owned high-grade kaolin resources to produce high-reactivity metakaolin (AusPozz™) for the low-carbon concrete market and advanced materials for greenhouse gas (GHG) mitigation, such as zeolites for fugitive methane control.

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