

25 August 2026

SUCCESSFUL COMPLETION OF LANDFILL METHANE CONTROL TRIAL

Zeotech Limited (ASX: ZEO, “Zeotech” or “the Company”) is pleased to provide an update on its Methane Control Program (“Program”), following successful completion of field trials conducted at the North Burnett Regional Council (“NBRC”) landfill in Queensland.

The final report from Griffith University (“Griffith”) confirms that zeolite-amended landfill cover cells recorded average methane emissions 92% lower than untreated control cells over the monitoring period, demonstrating impressive performance under real-world landfill conditions.

The results further validate zeoteCH₄® methane mitigation technology under live landfill conditions and represent an important step toward a practical, passive, and scalable methane-reduction solution for landfill operators, particularly for sites unsuitable for conventional gas-capture infrastructure.

HIGHLIGHTS

- zeoteCH₄® field trial delivered average methane emissions 92% lower than untreated control cells, under real-world landfill conditions
- Griffith University final report confirms completion of the six-month field trial at the NBRC Waste Management Facility in Queensland.
- Supporting gas analysis provided evidence consistent with methane elimination occurring within the treated cover layer, rather than being delayed or trapped.
- Trial generated important practical learnings for future deployment, including erosion protection, treatment-layer stability and moisture management.
- zeoteCH₄® remains installed at the NBRC facility, with the Company considering extended monitoring to assess longer-term durability and seasonal performance, to support further optimisation.

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

“The field trial has delivered very encouraging outcomes, with methane emissions from the zeolite-amended cells consistently and materially lower than the untreated controls across the monitoring period.

Importantly, the supporting gas analysis is consistent with methane elimination occurring within the treated cover layer, providing further evidence that the technology is reducing methane before it reaches the landfill surface. As expected in a real-world landfill environment, longer-term monitoring across different seasonal and weather conditions would provide further insight into performance over time.”

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Zeotech Chief Executive Officer, James Marsh, commented:

“The completion of the live landfill trial represents an important milestone for Zeotech and further validates the potential of our zeoteCH₄® technology to materially reduce fugitive methane emissions from landfill. Achieving average methane emissions 92% lower than untreated controls, with multiple readings exceeding 97% methane elimination, is an exciting and highly encouraging result, particularly under real-world landfill operating conditions. The trial has also generated valuable practical insights to inform further monitoring, optimisation and progression toward larger-scale deployment.

Many landfills are not suitable for conventional engineered gas capture systems, creating a significant opportunity for alternative methane mitigation technologies. Our objective is to develop zeoteCH₄® as a practical, passive and cost-effective solution that can be deployed at scale to help landfill operators materially reduce fugitive methane emissions. The successful trial results provide a strong platform to engage with industry and pursue further field applications as we advance the technology toward commercial deployment.”

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 Griffith¹. The trial followed the successful simulated landfill work completed previously at Griffith, where one of the Company’s zeoteCH₄® biofilter products consistently reduced methane emissions by more than 90% relative to controls².

The Program is developing a zeolite-based methane mitigation technology for deployment within landfill cover systems to adsorb and eliminate methane emissions through chemical and biological processes.

Final Project Update

The field trial was undertaken at the Mundubbera Waste Management Facility in the North Burnett Region of Queensland. Griffith established eight 2m x 2m test cells, comprising four zeolite amended cells and four untreated control cells (**Figure 1**), allowing a direct comparison between treated and untreated landfill cover areas under the same site conditions.



Figure 1: Example test cell with static chambers in situ at the NBRC Landfill site

¹ ASX Release 12/01/2026 “Methane Control Program Advances to On-Site Landfill Trials”

² ASX Release 12/05/2025 “Successful Completion of Methane Control Program”

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 zeoteCH₄[®] could materially reduce methane emissions compared with untreated landfill cover.

The zeolite-amended cells incorporated inoculated zeolite within the landfill cover profile. Static chambers and portable gas analysis equipment were then used to measure methane and carbon dioxide fluxes from the cells from March to July 2026.

Griffith's final progress report confirms that methane emissions from the zeolite-amended cells were substantially and consistently lower than emissions from the control cells, with average methane emissions 92% lower than the untreated control cells (**Figure 2**). This outcome is consistent with the earlier project update announced by the Company³, and further supports the performance of the zeoteCH₄ system under real-world landfill conditions.

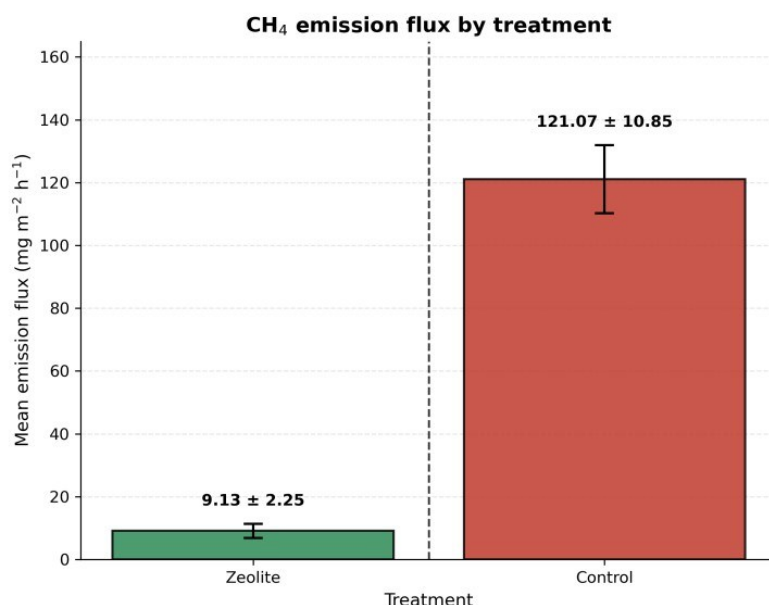


Figure 2: Methane Emission Fluxes in ZeoteCH₄[®] cells compared to Control (no treatment) cells

The final report also found that supporting gas measurements were consistent with methane elimination, via oxidation, occurring within the treated cover layer. This is important because it supports the technology's intended function by reducing methane before it is released from the landfill surface.

Methane-to-carbon dioxide ratio analysis provided supporting evidence that lower methane emissions were associated with methane oxidation, not solely with temporary retention or delayed movement. Griffith reported an apparent methane oxidation/reduction efficiency of approximately 85% using the control ratio as a baseline, while acknowledging that landfill emissions are naturally variable and can be influenced by factors such as moisture levels, soil cover conditions, gas movement, and seasonal changes.

³ ASX Release 02/06/2026 "Methane Control Program Update"

During the trial, the site experienced a significant rainfall event shortly after the test cells were installed. Two treated cells required repair, and the final report noted that the repaired cells continued to show low emissions after remediation. This provided useful practical information for future field deployment, particularly around erosion protection and maintaining the stability of the treatment layer.

The report also noted that landfill emissions naturally declined over time as the site moved into cooler and drier winter conditions. This reinforces the value of additional monitoring across different seasons to better understand longer-term performance.

Intellectual Property Protection

Zeotech is continuing to progress its international patent application 'Zeolites for Methane Control' covering the use of ion-exchanged zeolites for methane control and emissions mitigation applications¹. The patent application has received a positive International Search Report, with all claims considered novel and inventive over the identified prior art. The successful landfill trial further supports the technology's potential application and commercial opportunity.

The Company is now preparing to enter the national phase in selected jurisdictions as it continues to strengthen the intellectual property protection supporting its zeoteCH₄[®] methane mitigation technology.

Next Steps

The zeoteCH₄[®] methane mitigation technology remains installed at the NBRC Waste Management Facility. Given the highly positive results to date, Griffith has recommended extending the monitoring period to collect additional performance data. Zeotech is considering a further monitoring program to evaluate the system's longer-term effectiveness and durability.

Extended monitoring would enable performance to be assessed across a broader range of seasonal conditions, including warmer and wetter periods, while providing further data on treatment layer durability and supporting optimisation of the technology for potential larger-scale deployment.

The successful field trial and positive findings in Griffith's final report provide a strong technical foundation for Zeotech to advance industry engagement. The Company intends to use the results to engage with landfill operators, waste management organisations and other industry stakeholders to identify and secure additional field trial opportunities, including potential larger-scale applications of the zeoteCH₄[®] methane mitigation technology.

These activities will support continued real-world validation and optimisation of zeoteCH₄[®] while advancing its pathway toward commercialisation.

This announcement has been approved by the Board.

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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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