12 January 2026

METHANE CONTROL PROGRAM ADVANCES TO ON-SITE TRIALS AT NORTH BURNETT REGIONAL COUNCIL LANDFILL

Zeotech Limited (ASX: ZEO, "Zeotech" or "the Company") is pleased to announce it will commence a major on-site validation trial of its methane emissions control solution at a North Burnett Regional Council ("NBRC") landfill, after executing a research agreement with Griffith University ("Griffith").

This trial represents the next stage in the commercialisation of Zeotech's Methane Control Program ("Program") for landfill greenhouse gas mitigation. It builds on the successful simulated landfill trials completed in May 2025[1] and advances the development of an effective zeolite-based biofilter designed to adsorb and eliminate methane emissions through chemical and biological oxidation.

HIGHLIGHTS

- Zeotech to deploy its zeoteCH_4® biofilter solution at an operational landfill site operated by NBRC, in collaboration with Griffith.
- Advancing to on-site trials at an operational landfill site will evaluate the performance under real-world conditions over a 6-month period.
- Trials will utilise the highest-performing zeoteCH_4® biofilter identified in the earlier simulated landfill configuration at Griffith, which consistently decreased methane emissions by more than 90% relative to the controls[1].
- Data gathered during the trial will extend the Company's knowledge and understanding of zeoteCH_4® biofilter development and maintenance in a live environment, together with the ideal conditions for maximum oxidation rates.

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

"This trial represents an important step in validating the technology under real-world operating conditions. Our earlier work demonstrated high methane elimination efficiencies in controlled environments, and this program provides the opportunity to confirm those results at an operational scale. If successful, the technology could offer landfill operators a practical and scalable solution to materially reduce methane emissions and make a meaningful contribution to Australia's climate objectives."

[1] ASX Announcement 12/05/2025 "Successful Completion of Methane Control Program"

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Zeotech Chief Executive Officer, James Marsh, commented:

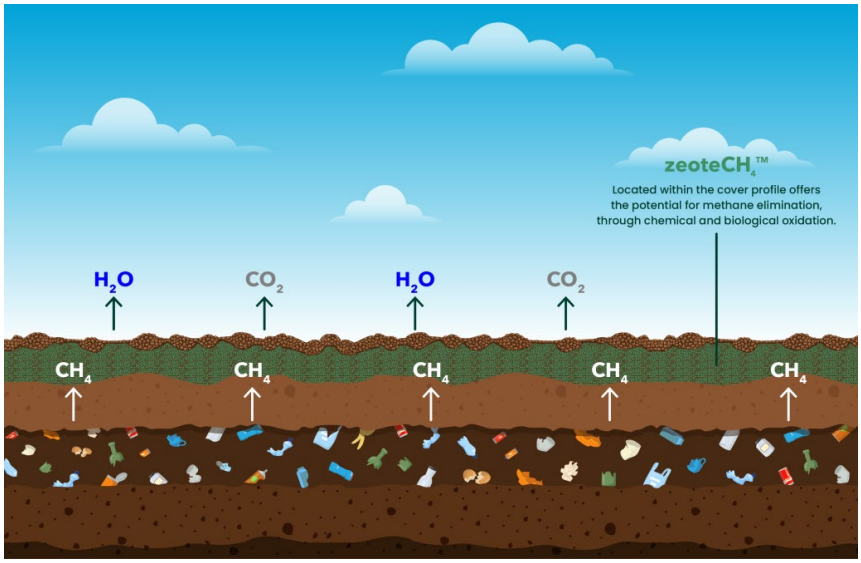
"This is a pivotal milestone for Zeotech as we progress our Horizon 2 methane emissions control solution from simulated environments to real-world validation.

The strong interest and proactive engagement from the North Burnett Regional Council have been instrumental in enabling this live commercial trial, and we are pleased to be collaborating with a regional partner that shares our commitment to emissions reduction. Importantly, the landfill trial is located in the same region as our Toondoon Kaolin Project, reinforcing the strategic alignment between our technology development, resource base, and the communities in which we operate.

This program will demonstrate the practical application of our zeoteCH$_4$® technology and its potential to deliver a cost-effective solution for landfill methane mitigation, addressing a critical challenge in achieving Australia's emissions reduction targets."

Background

The Program commenced at Griffith in February 2023[2] and aimed to develop a zeolite-based technology (biofilter) for deployment within the surface capping soil of landfills to adsorb and eliminate methane emissions through chemical and/or biological oxidation, potentially mitigating a greenhouse gas with 28 times the global warming potential of carbon dioxide[3].



Conceptual model for zeoteCH$_4$® application to landfills

The simulated landfill configuration trials yielded promising results for the two zeoteCH$_4$® products. One of the zeoteCH$_4$® products was particularly effective. Apart from a 2-week period of ineffectiveness in November 2024 (attributed to severe rainfall during the 14-day period), it consistently reduced methane emissions by more than 90% relative to the controls.[1]

[2] ASX Announcement 24/10/2022 "Zeotech to Develop Products for Methane Control"
[3] IPCC. Climate Change (2014): Synthesis Report, IPCC, Geneva, Switzerland

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On-Site Trials Commence

Following the execution of a research agreement with Griffith University, the program will proceed to an on-site validation trial at an NBRC operated waste management facility. The proposed work programs are designed to advance a compelling, low-cost, and high-value technology solution for the effective elimination of landfill methane emissions.

Trial activities are scheduled to commence in February 2026 and will comprise three key phases spanning a 7-month program:

- Activity A – ZeoteCH$_4$® preparation
- Activity B – Baseline onsite methane measurements
- Activity C – Technology testing and data collection

The live trials will deploy the highest-performing zeoteCH$_4$® biofilter identified in the earlier simulated landfill configuration at Griffith.

Technology testing and data collection will assess performance under real-world operating conditions over a 6-month period. During this time, more than 800 data points will be collected and analysed to evaluate the efficacy of the zeoteCH$_4$® biofilter in mitigating methane emissions, while also optimising operating conditions to achieve maximum methane oxidation rates.

The Company has received strong interest and engagement from the NBRC, with the project lead and Zeotech staff visiting potential candidate sites in Q4 2025. A preferred site was selected as suitable for the trials and is located in close proximity to the Company's high-grade Toondoon Kaolin Project.

The selected NBRC site is representative of many Australian landfill operations, being a small-to-intermediate regional facility that services a dispersed population. These characteristics align with the dominant profile of Australia's 1,168 operational landfills, most of which are located in rural or regional areas and operate with simple infrastructure[4].

Most Australian landfill operations are not equipped with gas recovery and collection systems due to the significant costs relating to installation and ongoing safety and compliance requirements. In contrast, the Company's zeoteCH$_4$® solution is designed for these conditions by providing a non-invasive, passive, and low-input-cost method for mitigating landfill methane emissions. This positions the technology as an ideal solution for the majority of Australian landfills.

The program has been introduced to the Local Member of the North Burnett region in the Queensland Legislative Assembly, Bryson Head MP, who also serves as the Assistant Minister for Regional Development, Resources and Critical Minerals.

The Project will be led by Dr Chris Pratt, Senior Lecturer at Griffith's School of Environment and Science and a lead researcher at the Australian Rivers Institute. Dr Pratt is an expert in greenhouse gas mitigation and soil management, with over 19 years of professional experience.

[4] https://www.dcceew.gov.au/environment/protection/waste/publications/analysis-landfill-survey-data

Dr Pratt has managed several industry programs focused on climate change technologies and soil systems, and has been instrumental in developing the methane control solution with Zeotech since 2023.

Patent Protection

In June 2024, Zeotech lodged a provisional patent application titled 'Zeolites for Methane Control' with the Australian Patent Office[5]. This was followed by the lodgement of an International Patent Cooperation Treaty ("PCT") application on 30 May 2025[6]. The Company continues to pursue the PCT application to safeguard potential inventive and novel aspects of the technology.

A key commercial advantage of the Company's zeoteCH_4® product is that it is manufactured utilising proprietary zeolite synthesis processes developed in-house by the Company during 2023, thereby strengthening Zeotech's intellectual property position and competitive advantage.

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 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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[5] ASX Announcement 02/07/2024 "Methane Control Program Update"
[6] ASX Announcement 29/07/2024 "Quarterly Activities/Appendix 5B Cash Flow Report"

Forward-looking Statements

This release may contain certain forward-looking statements with respect to matters including but not limited to the financial condition, results of research and development, operations, and business of Zeotech, and the certainty of the plans and objectives of Zeotech with respect to these items.

These forward-looking statements are not historical facts but rather are based on Zeotech's current expectations, estimates, and projections about the industry in which Zeotech operates, and its beliefs and assumptions.

Words such as "anticipates," "expects," "intends," “potential,” "plans," "believes," "seeks," "estimates", "guidance," and similar expressions are intended to identify forward-looking statements and should be considered an at-risk statement.

Such statements are subject to certain risks and uncertainties, particularly those risks or uncertainties inherent in the process of developing technology/products and in the endeavour of building a business around such products and services.

These statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties, and other factors, some of which are beyond Zeotech's control, are difficult to predict, and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements.

Zeotech cautions shareholders and prospective shareholders not to place undue reliance on these forward-looking statements, which reflect the view of Zeotech only as of the date of this release. The forward-looking statements made in this announcement relate only to events as of the date on which the statements are made.

Zeotech will not undertake any obligation to release publicly any revisions or updates to these forward-looking statements to reflect events, circumstances, or unanticipated events occurring after the date of this announcement, except as required by law or by any appropriate regulatory authority.

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