

18 December 2025

## TOONDOON KAOLIN PROJECT TEST PIT AND MINING APPROVAL SURVEYS COMPLETED

Emerging mineral processing technology company Zeotech Limited (ASX: ZEO, “Zeotech” or “the Company”) is pleased to announce that it has completed a further large-scale test pit at the Company’s high-purity Toondoon Kaolin Project. This milestone delivers critical data to advance mine planning while supporting upcoming Direct Shipping Ore (“DSO”) ship-loading trials at the Port of Bundaberg.

In parallel, Zeotech continues to progress key project approvals, including cultural heritage, ecological surveys, and haul road access, positioning the Company for the next phase of development.

### HIGHLIGHTS

- Cultural heritage and ecological surveys were completed on the Toondoon Kaolin Project Mining Lease (“ML”) and proposed haul roads. Associated reports are being drafted and progressing toward finalisation.
- Test pit at Toondoon Kaolin Project successfully produced over 2,300 tonnes from the Grey, Pink, and White Kaolin resource profiles during a 7-day campaign.
- 60 tonnes of Pink Kaolin transported for Q1 2026 ship loading trials at Port of Bundaberg to validate DSO logistics and performance on the multi-use conveyor infrastructure.
- 10 tonnes each of Grey and Pink Kaolin have been packaged into 1-tonne bulka bags for use in process design work.
- Additional kaolin stockpiled for further milling and calcination trials to support AusPozz™ product development and commercial-scale concrete testing.
- Test pit program confirmed mining method assumptions, equipment sizing, and provided critical geotechnical data for detailed mine planning and the Company’s Definitive Feasibility Study (“DFS”).
- Compensation agreement<sup>1</sup> executed with an adjacent landowner to provide a start-up mine access haul road and fast-track mining operations.
- Traffic Impact Assessment (“TIA”) completed based on the upgraded volumes in the Kaolin DSO offtake agreement<sup>2</sup>. Detailed design work commenced for the intersection of council-controlled Myola Road and state-controlled Mundubbera-Durong Road.

Zeotech Chief Executive Officer, James Marsh, commented:

*“The successful completion of the large-scale test pit, together with progress on key approval surveys, represents important milestones for the Toondoon Kaolin Project. These activities provide critical data to underpin accelerating mining approvals and support Zeotech’s strategy to fast-track DSO mining operations while advancing the development of AusPozz™.”*

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A further large-scale test pit was initiated by the Company at its high-purity Toondoon Kaolin Project in December 2025 to:

- Extract kaolin for expanded AusPozz™ concrete trials and testing;
- Provide kaolin for DSO ship loading trials using the multi-use conveyor at the Port of Bundaberg, scheduled for early Q1 2026; and
- Complete geotechnical assessments, including the performance of slope angles and pit walls, that will inform the detailed mine plan for DSO mining and the AusPozz™ DFS.

The test pit successfully produced more than 2,300 tonnes of Grey, Pink, and White Kaolin over the 7-day campaign.



Figure 1: White Kaolin DSO excavated from the test pit



Figure 2: Pink Kaolin DSO excavated from the test pit



Figure 3: Test pit



Figure 4: White Kaolin being excavated from the test pit

Approximately 60 tonnes of Pink Kaolin have been transported to a facility near the Port of Bundaberg in preparation for ship-loading trials scheduled for Q1 2026. These trials will support the Company and Port of Bundaberg stakeholders in assessing product handling characteristics and performance across the recently commissioned ship-loading infrastructure.

An additional 10 tonnes each of Grey and Pink Kaolin grades were transported to the same facility and packaged into 1-tonne bulka bags. This material will be used for detailed AusPozz™ process design work planned for Q1 2026.

The remaining kaolin has been stockpiled adjacent to the test pit for AusPozz™ production and to support additional milling and calcination trials.

Zeotech engaged Measured Group to design and execute a comprehensive test pit program to validate and refine the Company's geological and resource model. Measured Group completed detailed engineering observations, collected geotechnical data, and obtained representative samples to inform mine planning and development strategies, including slope stability assessments to guide future detailed mine design.

The test pit program delivered critical insights into material properties, mining assumptions, and operational considerations, strengthening the foundation for future mining operations. The outcomes confirmed the mining method recommendations and provided clarity on equipment selection and sizing to optimise operational efficiency.

#### *Project Approvals*

In parallel with the test pit planning and activity, the Company has been advancing various approvals associated with the Toondoon Kaolin project, including:

- Cultural heritage early works agreement with the Auburn Hawkwood People Aboriginal Corporation (“AHPAC”).
- Cultural heritage survey completed with AHPAC covering the whole ML, proposed mining haul road and access routes. A report associated with the cultural heritage survey is being drafted and progressed through to finalisation.
- Ecological surveys covering the whole ML, Zeotech's freehold land, and the proposed mining haul road have been completed. Reports associated with the ecological surveys are being drafted and are being progressed through to finalisation.
- Compensation agreement<sup>1</sup> executed with an adjacent landowner to provide a start-up mine access haul road to fast-track mining operations.
- Detailed design for the intersection of the mine haul road with the North Burnett Regional council-controlled and operated Myola Road and Queensland state-controlled Mundubbera-Durong Road is well underway.
- Updated TIA completed based on the upgraded Kaolin DSO transport volumes associated with the binding offtake agreement with Jiangsu Mineral Sources International Trading Co, Limited (“MSI”)<sup>2</sup>.
- Early engagement and commencement of notifiable road use applications with Queensland Government Department of Transport and Main Roads (“TMR”) based on the updated TIA.

<sup>1</sup> Refer to Schedule A – Compensation Agreement Key Terms

<sup>2</sup> ASX Announcement 15/09/2025 “Binding Offtake Agreement for DSO Kaolin executed with MSI



Figure 5: Proposed AusPozz™ Manufacturing Facility Area, Kaolin DSO storage site, and Multi-Use Conveyor (MUC) infrastructure located at the Port of Bundaberg, Queensland.

The successful completion of the test pit program and continued progress on key approvals mark significant steps toward fast-tracking the Toondoon Kaolin Project into production. These activities provide critical data to underpin mine planning, validate logistics for DSO shipments, and advance the AusPozz™ DFS.

#### *Schedule A – Compensation Agreement Key Terms*

<b>Compensation</b>	\$35,000 (subject to annual CPI increases)
<b>Compensation Commencement</b>	Within 30 days of the grant of the variation application for the new access road under section 317 of the Mineral Resources Act 1989 (Qld).
<b>Term</b>	5-years
<b>Termination</b>	<p>The Agreement shall remain in force until the earlier of the following:</p> <ul style="list-style-type: none"> <li>(a) The Miner notifies the Landowner in writing that it has abandoned the variation of application for the New Access Road;</li> <li>(b) The ML expires, is not renewed, or is relinquished; or</li> <li>(c) The Miner no longer requires the use of the New Access Road</li> </ul>

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.

### **Zeotech Limited - Social Media Policy**

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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.

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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.