

## Excellent Initial Results From Samphire FRT

### Highlights:

- Wellfield producing uranium-rich solution at the expected concentrations
- Uranium leaching recoveries and reagent consumption in line with our model
- Flow rates, permeability and porosity performance consistent with design assumptions

Alligator Energy Ltd (ASX: AGE, 'Alligator' or 'the Company') is pleased to provide an operational update from the first well pattern at the Samphire Uranium Project Field Recovery Trial (FRT). Following the commencement of uranium extraction announced on 23 March 2026, the FRT has progressed to approximately 39 pore volumes (PV) of the planned 70 PV, with one PV representing the amount of solution required to fill the natural void spaces within the contained orebody in the well pattern once (indicating how many times the mineralised zone has been flushed during the recovery process). The results to date demonstrate performance consistent with our models and support the assumptions outlined in the December 2023 Scoping Study<sup>1</sup>.

Pregnant lixiviant grades produced from the wellfield peaked at over 200 mg/L U<sub>3</sub>O<sub>8</sub> and currently remain above 100 mg/L U<sub>3</sub>O<sub>8</sub> based on assays at the onsite laboratory. Uranium recovery has exceeded approximately 55% from the 39 PV processed to date, indicating consistent leaching performance and ongoing mobilisation of uranium within the wellfield. Reagent consumption required to achieve these recoveries remains in line with expectations, reflecting efficient leaching conditions and favourable operating parameters. These outcomes provide further confidence in the permeability and connectivity of the wellfield, as well as the project's ability to achieve targeted uranium tenor and recovery assumptions as outlined in the Scoping Study.

Results obtained from the onsite laboratory are being validated by duplicate assay at a NATA certified external laboratory and more detailed results will be released in due course.

**Alligator's CEO and MD Andrea Marsland-Smith stated:** "We are delighted with these results, which represents a strong validation of the wellfield design and operating assumptions outlined in our Scoping Study. Achieving greater than 55% recovery at this stage of the trial, with reagent consumption in line with expectations, demonstrates the effectiveness of the ISR process under field conditions. Importantly, we are seeing consistent solution flow and wellfield performance, which gives us confidence as we progress towards the planned 70 pore volumes and continue to optimise recovery. We expect to report final results from this well pattern at the end of April."

This announcement was authorised for release by the Board of Alligator Energy Ltd. Engage with this announcement at the Alligator Energy [InvestorHub](#).

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<sup>1</sup> Refer ASX announcement of 14 December 2023

## Contacts

For more information, please contact:

**Ms Andrea Marsland-Smith**  
*CEO & Managing Director*

**Mr Joe Sutanto**  
*CFO & Company Secretary*

For media enquiries, please contact:

**Jeffrey Sterlson**

*General Manager - Government Relations, Communications and Public Affairs*

[js@alligatorenergy.com.au](mailto:js@alligatorenergy.com.au)

### Forward Looking Statement

This announcement contains projections and forward-looking information that involve various risks and uncertainties regarding future events. Such forward-looking information can include without limitation statements based on current expectations involving a number of risks and uncertainties and are not guarantees of future performance of the Company. These risks and uncertainties could cause actual results and the Company's plans and objectives to differ materially from those expressed in the forward-looking information. Actual results and future events could differ materially from anticipated in such information. These and all subsequent written and oral forward-looking information are based on estimates and opinions of management on the dates they are made and expressly qualified in their entirety by this notice. The Company assumes no obligation to update forward-looking information should circumstances or management's estimates or opinions change.

### About Alligator Energy

Alligator Energy is a uranium and energy metals project development and exploration group with clear pathways for approval and development through its multi-jurisdictional portfolio. The Alligator Energy Directors and Leadership Team have significant uranium experience including achieving approval of WA's first uranium mine at the Wiluna Uranium Project (Toro Energy), discovery and pre-feasibility study of the Husab Uranium Mine in Namibia (Extract Resources) and management roles with WMC Olympic Dam, ERA Ranger Mine and Heathgate Resources uranium ISR operations at Beverley and Four Mile.