

22 January 2026

Lance Uranium Project, Wyoming, USA

Operational Ramp-up Continues in Mine Unit 4 with Next Stage of Acidification Underway

KEY POINTS

- Header House 16 within Mine Unit 4 (MU-4) at the Lance Uranium Project in Wyoming, USA has commenced acidification, marking the continued successful execution of the Company's production reset plan.
- Since the commencement of acidification in late December 2025, Header House 14 has demonstrated **flow rates averaging ~15 gallons per minute (GPM) to date**, exceeding the reset plan assumption of 12 GPM. At this early stage of the acidification process, the rate of reduction in the pH level is tracking ahead of schedule, with the pH currently at ~3.48 S.U. (almost half of the natural pH level ~8.5 S.U at the start of acidification), and progressing well to the targeted mining level of <2.0 S.U.
- Construction of Header House 15 in MU-4 is on schedule, with acidification expected to commence in the latter part of Q1 CY2026.
- MU-4 represents ~60% of the Company's forecast uranium production for CY2026 and 2027, highlighting its strategic importance in the Company's production reset plan.
- Commissioning of key systems within the Lance Central Processing Plant (**CPP**) also continues, supporting the ongoing ramp-up toward targeted production rates.
- The strong early progress with development and operational ramp-up of MU-4, which utilises revised wellfield pattern designs, is expected to more than offset the previously foreshadowed lower flow rates and rates of production from Mine Unit 3 (MU-3).
- As a result, Peninsula remains on track to meet forecast uranium production guidance for **CY2026 of 0.4 to 0.5Mlbs**; minimal uranium production was recorded for the December 2025 Quarter.
- US Government policy momentum continues to strengthen the long-term outlook for domestic uranium producers with the commencement of a Review on Nuclear Energy. Last week, President Donald Trump signed an Executive Order designed to address the nation's vulnerability in relying on other countries for processed critical minerals and their derivative products, including uranium.

Further to its announcement of 22 December 2025, Peninsula Energy Limited and its wholly owned subsidiary, Strata Energy Inc. (together "**Peninsula**" or the "**Company**") (ASX: **PEN**, OTCID: **PENMF**) is pleased to advise that acidification has now commenced at Header House 16 within MU-4 at its Lance Uranium Project in Wyoming, USA.

The acidification process at Header House 14, which commenced in late December 2025, is expected to continue for approximately three months, after which uranium-bearing solution from this header house will be redirected to the Lance CPP for processing.

Importantly, acidification at Header House 14 continues to perform above expectations, with flow rates averaging approximately **15 GPM**, compared with the reset plan assumption of 12 GPM. Flow rate performance to date at Header House 14 is significantly higher than those being achieved in MU-3 and are generally consistent with flow rates achieved in Mine Units 1 and 2 during previous alkaline based in-situ recovery operations between 2015 and 2018.

At this early stage of the acidification process, the rate of reduction in the pH level is tracking ahead of schedule, with the pH currently at ~3.48 S.U. (below half of the natural pH level ~8.5 S.U. at the start of acidification), and progressing well to the targeted mining level of <2.0 S.U.

Once acidification is complete, the start of the leaching phase will provide the Company with a better understanding of the grade and recovery curves in MU-4, which are instrumental in defining the medium- and longer-term development profile.

Wellfield Optimisation and MU-4 Development

Following a detailed review of the wellfield pattern designs in CY2025, Peninsula has implemented revised wellfield maintenance plans and optimised pattern designs from MU-4 onwards. These designs are materially different from those previously used in MU-3 and are expected to support improved production outcomes.

Under the revised design, each header house will consist of ~30 production wells, with ~60 feet spacing between production and injection wells (as compared to 45 production wells and ~80 feet spacing used in the development of MU-3). This configuration is intended to reduce the time required to reach the targeted acidification pH level of <2.0 S.U. Once the target pH level is achieved, uranium-rich fluids from the header house are directed to the CPP for production.

MU-4 comprises six header houses and accounts for **approximately 60% of the uranium production forecast in CY2026 and CY2027 under the Company's Reset Plan**. Moving forward:

- Construction of Header House 15 is nearing completion, with acidification planned to commence post-February 2026.
- Construction of Header Houses 17-19 is scheduled to commence in the March Quarter 2026.
- The current schedule indicates that completion of all six header houses in MU-4 is expected by end of September 2026 ahead of the reset plan timeline (November 2026).

Wellfield maintenance requirements in MU-3 have been higher than anticipated due to operational challenges arising from the temporary pause in acidification earlier in 2025. This pause occurred following resin storage capacity constraints associated with delays to the construction the CPP expansion which have now been addressed.

Any delays in production from MU-3 are expected to be more than offset by the earlier start-up of all six header houses in MU-4. As a result, Peninsula remains on track to achieve **forecast uranium production guidance for CY2026 of 0.4-0.5Mlbs**, despite minimal uranium production being recorded for the December 2025 Quarter. A detailed overview will be provided in the December 2025 Quarterly Report, which will be lodged once finalised in the coming weeks.

CPP Commissioning Update

Commissioning activities within the CPP continue to make good progress. Fine-tuning of multiple systems continues as the elution, precipitation, filtration and drying processes mature. A key focus is the implementation of a water purification system for process water, aimed at reducing impurity levels in the final dried yellowcake product.

Work is also progressing on the replacement of the corrosion-affected piping system in Phase 1 of the CPP, with installation of the system well advanced and expected to be completed in January, on schedule and below budget.

US House Committee Announces Hearing on Nuclear Energy

The US Government has commenced a formal review of the Nuclear Energy Industry, with a hearing titled “American Energy Dominance: Dawn of the New Nuclear Era” held on 7 January 2026 by the US House Committee on Energy & Commerce. The hearing’s initial focus is to discuss the current status of the US nuclear industry, licensing pathways and the implementation of recent laws and policies designed to support nuclear energy deployment.

On 5 January 2026, the U.S. Department of Energy (DOE) announced \$2.7 billion in funding over the next 10 years to strengthen domestic uranium enrichment services. In support of President Trump’s commitment to enhance energy security and reduce reliance on foreign suppliers, the historic funding commitment expands U.S. capacity for low-enriched uranium (LEU) and jumpstarts new supply chains and innovations for high-assay low-enriched uranium (HALEU) to create American jobs and usher in the nation’s nuclear renaissance.

“President Trump is catalyzing a resurgence in the nation’s nuclear energy sector to strengthen American security and prosperity,” said **Secretary of Energy Chris Wright** on 5 January 2026. “Today’s awards show that this Administration is committed to restoring a secure domestic nuclear fuel supply chain capable of producing the nuclear fuels needed to power the reactors of today and the advanced reactors of tomorrow.”

In 2024, the US produced approximately 1 million pounds of uranium, compared with annual consumption of approximately 50 million pounds, highlighting the strategic importance of new domestic uranium production.

Executive Order on Imported Critical Minerals

Last week, President Trump also signed a new Executive Order (EO), titled “[Adjusting Imports of Processed Critical Minerals and their Derivative Products into the United States](#).” A link to the EO is provided [here](#).

The Executive Order directs Commerce Secretary Howard Lutnick and USTR Jamieson Greer to “jointly pursue negotiation of agreements” to address the nation’s vulnerability that results from reliance on other countries for processed critical minerals and their derivative products. The EO specifically mentions uranium as a critical mineral that the energy sector relies on and flags the potential to introduce price floors to support domestic production of certain critical minerals.

Peninsula Energy’s Managing Director and Chief Executive Officer, Mr George Bauk, commented:

“The commencement of acidification at our second header house in Mine Unit 4 represents another important step in executing our production reset plan. The team is currently finalising the third header house, Header House 15, and we have a clear schedule in place to complete all six header houses within MU-4 ahead of schedule.

“While the team remains focused on addressing the legacy issues within MU-3 – stemming largely from the unexpected issues which halted acidification in the June 2025 Quarter – overall the Lance Project remains on track to deliver our CY2026 production guidance of 0.4Mlbs to 0.5Mlbs of yellowcake. The strong progress being made in MU-4, which is a key driver of the Company’s near-term production outlook, supports our expectation that production volumes will steadily increase from the March 2026 Quarter onwards.

“We are also nearing completion of permanent piping upgrades within the CPP, on time and below budget, as commissioning activities continue and uranium volumes through the plant steadily increase.”

- ENDS -

This release has been approved by Peninsula's Board of Directors.

For further information, please contact:

George Bauk

Or

Read Corporate – Media and IR Inquiries

Managing Director / CEO

Peninsula Energy

+61 8 9380 9920

Info@pel.net.au

Nicholas Read – +61 419 929 046

info@readcorporate.com.au

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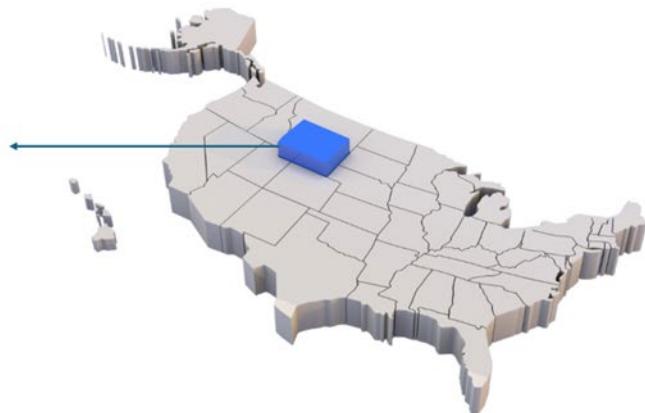
Peninsula Energy Limited (ASX: PEN) is an ASX-listed uranium company which is developing a long-term uranium production business centred on its 100%-owned Lance Uranium Operation located in Wyoming, USA. The Lance Project successfully re-commenced production of dried yellowcake in September 2025 and is continuing to ramp up production under a revised production and operational plan announced in August encompassing the progressive deployment of low-pH operations, revised wellfield design and optimised production sequencing.

Lance is one of the largest, independent uranium projects in the US and, once back in full production, will establish Peninsula as a fully independent end-to-end producer of yellowcake. Strategically positioned within a supportive US jurisdiction, Peninsula is well-placed to become a key domestic supplier of uranium and play an important role in a clean energy future.



WYOMING, USA

LANCE PROJECT



Central Processing Plant (Phase I & II)

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