

19 December 2024

Companies Announcement Office
Via Electronic Lodgement

COMMENCEMENT OF PRODUCTION AT LANCE PROJECT

Peninsula Energy Limited and its wholly owned U.S. subsidiary, Strata Energy Inc. (together “**Peninsula**” or the “**Company**”) (**ASX:PEN, OTCQB:PENMF**) is pleased to advise the official commencement of production operations at the flagship Lance Projects (“**Lance**”) in Wyoming USA. Uranium production operations were restarted within selected areas of Mine Unit 1 (“**MU-1**”) at Lance on December 18th, 2024, after a five-year hiatus.

The re-start of production at Lance as a low-pH ISR operation marks a historic milestone for Peninsula on its journey to become a fully independent producer of uranium yellowcake, growing into a critical supplier of uranium and through this play an important role in a clean energy future.

Initially, the production stream from the Mine Unit is being routed to the rebuilt Phase 1 satellite plant ion exchange system for uranium capture. The flow rates and grades are matching the planned levels and are expected to continue increasing as preconditioning is completed in subsequent Header Houses and as a chemical oxidant (hydrogen peroxide) is introduced. The captured uranium will be stored on the ion exchange resin until the Phase 2 plant area is fully commissioned in 1Q CY2025.

Construction is continuing in the Phase 2 plant area, with Peninsula focused on completing the resin elution and precipitation circuits by mid-January, allowing first elutions and yellowcake precipitation at that time.

The completed construction of the yellowcake filtration and drying circuits are currently scheduled for February, which would lead to production of the first dry yellowcake product by early March.

On completion of Phase II construction, the Lance Projects will be home to a 5,000 GPM uranium recovery ion-exchange process plant, with the capability to independently produce up to 2 million pounds per annum of dry yellowcake (U₃O₈) product.

Peninsula will host an investor conference call in mid-January with details to be announced. The Company will provide an update on the production restart and look ahead for 2025.

Peninsula’s Managing Director and Chief Executive Officer Mr Wayne Heili said: *“This is a very exciting moment for the team and our shareholders to have finally pressed the button on starting production. This has been years in the making, a lot of hard work, and with a fair share of challenges, so we are grateful to the team involved and for the ongoing support of our shareholders.”*

“Importantly, Peninsula is now North America’s newest fully independent uranium producer. We have restarted Lance at an opportune time, with the long-term fundamentals and demand for uranium incredibly strong, as nuclear energy grows into the leading and most reliable clean energy solution. Through Lance, Peninsula will provide a secure and sustainable uranium supply for an energy-hungry, low-carbon future.”

“The hard work will continue on site as we still have a way to go through the ramp-up period. We will continue to remain focused over these coming months as we complete the rest of the construction, continue ramping up production and moving towards commercial production of dry yellowcake.”



Figure 1: Peninsula Energy's Lance Central Processing Plant, December 2024



Figure 2: Interior photo of the Lance Central Processing Plant, December 2024

- ENDS -

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

For further information, please contact:

Peninsula Energy
+61 8 9380 9920
Info@pel.net.au

or

Sodali & Co.
Michael Weir - +61 402 347 032
Cameron Gilenko - +61 466 984 953

About Peninsula Energy Limited

Peninsula Energy Limited (ASX:PEN) is one of the few ASX-listed uranium companies providing US production and direct market exposure. Its' 100% owned Lance Projects in Wyoming has re-commenced production operations in December 2024 and will continue ramping up the production rate in 2025 in coordination with the commissioning of a complete central processing plant facility.

Lance is one of the largest, independent near-term uranium development projects in the US. With a track record of meeting delivery requirements since 2016, Peninsula has 10 years of sales contracts in place with major utilities in both the US and Europe. Once back in full production, Lance will establish Peninsula as a fully independent end-to-end producer of yellowcake, well-placed to become a key supplier of uranium and play an important role in a clean energy future.

Follow us:

