



17 April 2020

KEY APPROVAL PAVES THE WAY FOR DEVELOPMENT OF NEW URANIUM MINING UNITS

HIGHLIGHTS

- **Wyoming Department of Environmental Quality gives final approval required to utilise low pH recovery method within the entire Ross Permit Area at the Lance Project**
- **Decision to approve the Interim Restoration Report for the low pH field restoration demonstration allows new low pH mining units to be developed**

Peninsula Energy Limited (**Peninsula or the Company**) has taken a major step toward reopening and expanding its flagship Lance in-situ recovery (**ISR**) uranium project operated by its wholly owned US subsidiary Strata Energy, Inc. (**Strata**) following a key State government approval.

The Wyoming Department of Environmental Quality (**WDEQ**) has approved Strata's Interim Restoration Report for the low pH field restoration demonstration at the Lance Project in Wyoming, paving the way for the Company to develop new mining units using the low pH ISR method across the entire Ross Permit Area at Lance. This decision concludes the final phase of the risk informed, performance based, stepwise implementation plan for low pH ISR designed by the WDEQ and the Company.

Switching from an alkaline ISR to a low pH ISR operation is expected to significantly lower operating costs and align the Lance Project method of uranium recovery with the bulk of global ISR uranium producers.

As a condition of the previously granted regulatory approvals, the Company was required to produce an Interim Restoration Report. That report was reviewed by both the WDEQ Land Quality Division and the WDEQ Uranium Recovery Program, analysing pre-defined performance criteria as well as conducting independent geochemical model runs in order to determine if the low pH field restoration demonstration met its goals and was conducted in a protective manner for health and safety, as well as the environment. The WDEQ determined that the field demonstration showed that wellfield injectivity would not be altered during the restoration of the pH level in the mining zone and actual interim restoration results confirmed the results of laboratory testing conducted by the Company.

Peninsula Managing Director / CEO, Mr Wayne Heili said, *"This is a very important step in our plan to re-activate uranium recovery operations at Lance.*

"Lance holds the largest defined uranium resource of any recently-producing US ISR project and is the only one authorised to use the industry-leading low pH extraction method.

"We are already in an excellent position to rapidly re-start uranium production by transitioning our two fully developed mine units to low pH operations. This WDEQ decision means that we are now fully permitted to develop a sustainable low pH ISR operation at Lance."

The Company's final investment decision for the commencement of low pH operations at Lance is dependent on the evaluation of outcomes from ongoing de-risking and optimisation activities and on continued sustainable improvement in the market for US produced uranium. Customary regulatory review of operating procedures, new production areas and surety bond updates will also be required.

Yours Sincerely,



Wayne Heili
Managing Director/CEO

This release has been approved by the Board of Directors.

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About Peninsula Energy Limited

Peninsula Energy Limited (PEN) is an ASX listed uranium mining company which commenced in-situ recovery operations in 2015 at its 100% owned Lance Projects in Wyoming, USA. Following a positive feasibility study, Peninsula is embarking on a project transformation initiative at the Lance Projects to change from an alkaline ISR operation to a low pH ISR operation with the aim of aligning the operating performance and cost profile of the project with industry leading global uranium production projects.