

ASX Release

27 September 2021

PEPR Lodged for Proposed Siviour Graphite Mine

Highlights:

- Renascor¹ has lodged the Program for Environment Protection and Rehabilitation (**PEPR**) for the proposed Siviour Graphite Mine, the upstream component of Renascor's planned vertically integrated graphite mine and battery anode material manufacturing operation in South Australia.
- The PEPR seeks approval for a processing capacity of up to 1.65 million tonnes per annum, which would permit Renascor to produce up to 150,000 tonnes of Graphite Concentrates per year².
- **Renascor intends to use Graphite Concentrates from Siviour as feedstock to produce low-cost, high-quality, 100% Australian-made Purified Spherical Graphite with leading ESG³ credentials in the first integrated in-country mine and battery anode material operation outside of China.**
- The PEPR, which must be approved by the South Australia Department for Energy and Mining (**DEM**) before mining operations may commence, is the second step in the Government's two-stage assessment and approval process and follows the grant of the Siviour Mineral Lease in 2019⁴.
- Renascor's PEPR application is supported by extensive stakeholder engagement, independent expert audits and comprehensive studies undertaken to incorporate designs and management plans to comply with conditions outlined in the Siviour Mineral Lease.
- DEM has indicated to Renascor that it will require a minimum review period of up to four months, subject to no major revisions being required.

Siviour
Battery Anode Material Project
For a green future



HF-free



Renascor Resources Limited (ASX: RNU) (**Renascor**) is pleased to announce the lodgement of the Program for Environment Protection and Rehabilitation (**PEPR**) for the proposed Siviour Graphite Mine, the upstream component of Renascor's planned vertically integrated graphite mine and battery anode material manufacturing operation in South Australia.

Commenting on the lodgement of the PEPR, Renascor Managing Director David Christensen stated:

"The lodgement of the PEPR is a significant milestone in the development of the Siviour Project and is underpinned by extensive stakeholder engagement and technical studies, independent expert reviews and comprehensive discussions with the South Australian Department for Energy and Mining over a five-year period, commencing in 2016.

With the PEPR now lodged, we look forward to continued engagement with the local community and the State Government as we move through the final regulatory phases to permit the commencement of mining at Siviour in a manner that minimises environmental impacts and maximises the social and economic benefits to the local and wider communities."

Discussion

South Australian legislation consists of a two-part assessment and approval process to conduct mining operations.

The first step requires the grant of a Mineral Lease to demonstrate that the Government of South Australia is satisfied that the proposed level of impact is acceptable given the anticipated economic and social benefits. The Mineral Lease application process involves assessing and reviewing the existing environment and the nature and method of proposed mining operations, the environmental impacts and measures to manage such impacts. Consultation and engagement across the relevant stakeholder base is required to ensure that the views of affected parties are understood and that stakeholders are provided with an opportunity to be involved and participate in the process.

The South Australian Minister for Energy and Mining granted a Mineral Lease for the proposed Siviour Graphite Mine in April 2019⁵. The grant of the Mineral Lease followed comprehensive environmental impact studies and stakeholder engagement commencing in 2016.

The Mineral Lease for Siviour also details the conditions that must be addressed in the PEPR, the second step in the assessment and approval process.

Renascor, through its wholly-owned subsidiary Ausmin Development Pty Ltd, has now lodged a PEPR for the proposed Siviour Graphite mine, seeking approval to process up to 1.65 million tonnes per annum, which would permit Renascor to produce up to 150,000 tonnes of Graphite Concentrates per year⁶.

Renascor's PEPR is supported by extensive stakeholder engagement and comprehensive studies undertaken to incorporate designs and management plans to comply with conditions outlined in the Siviour Mineral Lease. The PEPR preparation process was managed internally by Renascor, with input from external consultants, including independent expert audits to confirm that Renascor's proposed management and operational strategies are effective to comply with the Mineral Lease conditions.



The South Australia Department for Energy and Mining has indicated to Renascor that it will require a minimum review period of up to four months, subject to no major revisions being required.

About Renascor

Renascor is committed to powering the clean energy transition through the development, in Australia, of a vertically integrated graphite mine and manufacturing operation to produce sustainable and ethically-sourced battery anode material for the lithium-ion battery market.

Renascor's operation will combine:

- The Siviour Graphite Deposit in South Australia, the largest reported graphite Reserve outside of Africa⁷, and
- A state-of-the-art processing facility in South Australia to manufacture purified spherical graphite through Renascor's eco-friendly purification process.

Renascor's Integrated Battery Anode Material Manufacturing Operation

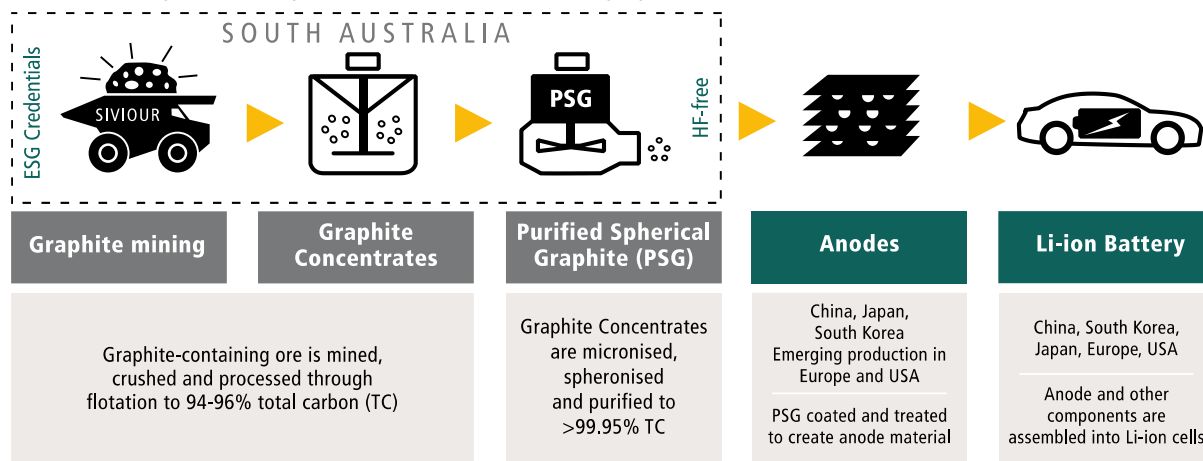


Figure 1: Renascor's vertically integrated Mine and Concentrator and Downstream PSG production facility within the Electric Vehicle supply chain

Renascor's aim is to become a leading supplier of 100% Australian-made and low-cost purified spherical graphite for lithium-ion battery anode makers worldwide.

Disclaimer

Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. Renascor confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

This report may contain forward-looking statements. Any forward-looking statements reflect management's current beliefs based on information currently available to management and are based on what management believes to be reasonable assumptions. It should be noted that a number of factors could cause actual results, or expectations to differ materially from the results expressed or implied in the forward-looking statements.

This ASX announcement has been approved by Renascor's Board of Directors and authorised for release by Renascor's Managing Director David Christensen.



For further information, please contact:**David Christensen**

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¹ The PEPR was lodged by Renascor's wholly-owned subsidiary Ausmin Development Pty Ltd, the registered holder of the Mineral Lease for Siviour.

² The 1.65 million tonne per annum approval sought pursuant to the PEPR relates to the volume of ore processed from the proposed Siviour mine through the adjacent processing plant. Pursuant to Renascor's proposed mining plan, this would result in up to 150,000 tonnes per annum of Graphite Concentrate production at full capacity. See Renascor ASX release dated 11 November 2019, page 40. Renascor has previously announced plans for a staged start-up at Siviour, starting with an ore processing capacity of 825,000 tonnes per annum and Graphite Concentrate production of up to 78,000 tonnes per annum in the first of a two-stage expansion to 1.65 million tonnes per annum of processing capacity. See Renascor ASX release dated 11 November 2019. During this first stage, 60,000 tonnes per annum of Graphite Concentrate would be used as raw material feedstock for Renascor's planned downstream battery anode material manufacturing operation to produce approximately 28,000 tonnes of Purified Spherical Graphite per annum. See Renascor ASX release date 1 July 2021. As a result of increasing interest in Siviour Purified Spherical Graphite from existing and potential offtake partners, Renascor is currently evaluating an expansion to the initial, Stage One production of Purified Spherical Graphite and an additional Stage Two production capacity of Purified Spherical Graphite. See Renascor ASX release dated 1 April 2021.

³ Environmental, social and corporate governance.

⁴ See Renascor ASX release dated 8 April 2019.

⁵ See Renascor ASX release dated 8 April 2019.

⁶ See note 2.

⁷ See Renascor ASX release dated 21 July 2020.

