

21 March 2022

Site Activity Commences

Leigh Creek Energy Limited (“LCK” or the “Company”) advises that it has commenced site works associated with and preliminary to geotechnical investigations associated with the construction of the Leigh Creek Urea Project (LCUP) gasification wells and power generator areas.

This follows the receipt of the formal Activity Notification from the South Australia regulator, the Department for Energy and Mining which was announced on 11 March 2022.

LCK Managing Director, Phil Staveley commented:

“We’re grateful to have ‘boots on the ground’ at site and to have a larger presence in the town and community again. This is a crucial part of the project’s development, and we can all expect the project to develop in a visible way from here on.”



Drill rigs and teams geotechnical investigations associated with the construction of the Leigh Creek Urea Project (LCUP) gasification wells and power generator areas.



Geotechnical investigations team preparation and set up area.

This announcement was approved by the Board of Leigh Creek Energy Limited.

Further information:

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[About the Leigh Creek Urea Project](#)

The Leigh Creek Urea Project (LCUP) is Leigh Creek Energy's (ASX:LCK) flagship project, developing low-cost high-quality nitrogen-based fertiliser for local and export agriculture markets using its proprietary Syngas technology. Located in South Australia, 550 kilometres north of Adelaide, the LCUP will initially produce 1Mtpa (with potential to increase to 2Mtpa) of urea.

LCK has a comprehensive environment, social and governance strategy. LCK is a signatory to the United Nations Global Compact and is proud to have brought forward its carbon neutral status to 2022. LCK has achieved this in the pre-production period by purchasing offsets from accredited international carbon farming projects. In the longer term the project will inherently be carbon neutral as most of the CO₂ it produces will be used in the production of urea and any excess will be sequestered.

The LCUP will be one of the biggest infrastructure projects of its type in Australia, providing long term economic development and employment opportunities for the communities of the Upper Spencer Gulf region, northern Flinders Ranges and South Australia. The LCUP will be the only fully integrated urea production facility in Australia, with all inputs for low carbon urea production on-site.

The LCUP will be developed in 2 commercial stages:

Stage 1 consists of:

1. Construction of gasification wells to provide energy (syngas) for the project; and
2. 5 MW gas fired power generation.

Stage 2 consists of:

1. Expansion of gasification fields;
2. 100MW gas fired power generation;
3. Ammonia facility;
4. Urea facility; and
5. Logistics, loading and transport.