

11 March 2022



Activity Notification received

Leigh Creek Energy Limited (“LCK” or the “Company”) advises that it has received formal Activity Notification (AN) from the South Australian Regulator, the Department for Energy and Mining (DEM), for the next stage of construction activity for the Leigh Creek Urea Project (LCUP), to commence.

LCK Managing Director Phil Staveley commented:

“In accordance with the South Australian legislation we have to seek approval from DEM prior to commencing work on site. That approval was granted by the receipt of the AN. We now look forward to commencing the activities onsite. We expect preliminary, preparatory work to commence next week.”

Scope of Work

This AN specifically relates to Shallow Investigation Drilling which will provide geological, geotechnical and environmental information for Stage 1 and Stage 2 design.

This work includes:

- Review of published geotechnical and geological information relevant to the site;
- Shallow test pits, Cone Penetration Testing, and Shallow Borehole drilling;
- Coordination of Drilling Contractors who will complete shallow borehole drilling investigations;
- Environmental and Geotechnical laboratory testing;
- Assessments of all field and laboratory data and production of a conceptual geological and geotechnical ground model for the site.

Further information:

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

About the Leigh Creek Urea Project

The Leigh Creek Urea Project (LCUP) is Leigh Creek Energy's (ASX:LCK) flagship project, developing low-cost nitrogen-based fertiliser for local and export agriculture markets. 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. It has produced syngas within all approved environmental parameters set by the regulator and will be **carbon neutral from 2022**.

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.