

Trelavour Lithium Project June 2021 update

Since our last newsletter in February 2021, Cornish Lithium is pleased to inform you that the drilling campaign at Trelavour has been completed. Some site survey work is still ongoing – for information about this, please see the CLiCCC project section below.

Cornish Lithium drilling campaign

- In total, 30 holes were drilled and the campaign was completed in 20 weeks. This is 6 weeks longer than originally planned, but this included the additional holes mentioned below, coupled with poor weather. The samples of rock core and chips are still being analysed but results will be reported in a press release in due course.
- Extra holes were added to the programme, including three on the eastern side of the pit.
- Bad weather made the drilling challenging, particularly moving between the holes with the tracked rig and associated equipment.
- Other studies are ongoing, including an ecological survey of the pit, carried out by Cornwall Environmental Consultants. We are planning to work with CEC to develop and implement restoration plans for the drill collars and tracks in some areas.
- The borehole sites are within the operational boundary of the existing Trelavour China Clay pit. We have agreements in place with the mineral rights holders and Imerys to allow us to carry out this exploration work.
- The works all fall within the current planning permissions for the site.

CLiCCC project

CLiCCC stands for 'Co-production of Lithium and China Clay in Cornwall' and is a consortium between Cornish Lithium, Imerys and HSSMI, who are a sustainable manufacturing innovation consultancy focused on productivity, upscaling and the circular economy.

Some small-scale sampling of the various tips around the Trelavour area is currently taking place as part of the CLiCCC project, so you might see teams working on the various tips around the Trelavour site.

This project involving Cornish Lithium, Imerys and HSSMI aims to enhance the resilience of the Cornish china clay industry by evaluating the economic viability of extracting lithium from minerals that occur in the same rock as china clay -- thus increasing the resource efficiency of the mined

rock, making this vital Cornish industry more internationally competitive and securing a domestic supply of lithium that is vital to the transition to renewable energy and a zero-carbon economy.

This feasibility study takes an innovative approach to evaluating cutting-edge lithium extraction techniques and developing new processes to align co-production of lithium with Imerys' current kaolin production, demonstrating the commercial possibility to produce a vital new metal for the UK whilst making the china clay industry more resilient.

The survey work taking place at the moment will involve handheld auger sampling of the drystack tips that surround Trelavour. We are also hoping to sample a part of Hendra mica dam but the exact method for sampling is still undecided.

The project will last for 12 months in total, although sampling will not be ongoing during all that time.

Contact us: trelavour@cornishlithium.com or call the drilling team on 01726 420 001

Who is Cornish Lithium?

Cornish Lithium is an innovative, eco-technology company focused on mineral exploration and development for the environmentally sustainable extraction of lithium from geothermal waters and hard rock in the historic mining district of Cornwall. The Company is using modern technology to re-evaluate the region's potential for low carbon extraction of lithium and other vital technology metals such as tin, copper and cobalt. A secure domestic supply of such metals is considered vital to the industrial strategy of the UK as it moves towards the production of electric cars. Cornish Lithium currently employs 30 people based in its offices in the Tremough Innovation Centre in Penryn, Falmouth.

Why Trelavour Pit?

Some of the most lithium-enriched granite in Cornwall occurs in the St Austell region, including in the Trelavour Pit. In 2020 Cornish Lithium drilled 41 exploration drill holes at Trelavour to test its lithium potential, and the results were encouraging. The results from recent drilling at Trelavour are currently being evaluated as part of a Scoping Study which looks at all aspects of the potential development. This includes a strategic environmental and social review.

What is lithium and why is it important?

Lithium is the lightest metal, with a high charge density, making it ideal for lightweight portable batteries. It is not a dangerous element and occurs in stable compounds in nature. Today over 50% of lithium produced is used in electric car batteries and predicted growth of electric cars is expected to be significant. Prior to 1991 lithium was mainly used for glazes in ceramics. It is also starting to be used for large electric grid size batteries for managing sustainable sources of power such as wind and solar.

Will you be employing local people?

Cornish Lithium already employs a team of 20 people in Cornwall. If the investigations at the Trelavour project are successful, then Cornish Lithium will look to employ up to 10 people over the next 12 months (a mixture of short term and permanent jobs). In the longer term there could be as many as 200 skilled, well paid, new jobs associated with this lithium project if it goes ahead. Cornish Lithium aims to set up training and apprenticeship schemes at this point.

How do I apply for a job?

Cornish Lithium welcomes CVs from potential applicants. Please send a CV and cover letter through to careers@cornishlithium.com and should a suitable position arise you will be invited to apply to it. Also, keep checking our website for available posts – there are some now advertised. <https://cornishlithium.com/contact-details/careers/>

Future Communication

Cornish Lithium will provide regular communication updates, which will be on its website (www.cornishlithium.com) and sent to all stakeholders. The Cornish Lithium website has more details about the Company and its projects in Cornwall.

Contact

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