

KEEP Kirdford and Wisborough 'Green'

UKOG WSCC/046/23

Application Dec 23rd, 2024 at Broadford Bridge drilling site: Amendment of condition no. 1 of planning permission WSCC/079/19/WC extending the permission by **24 months** to *enable the completion of phase 4 site retention and restoration* (a phrase regularly used but *not* acted on).

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APPENDIX 1:

BROADFORD BRIDGE EXTENSION REQUEST NO 5: GEOTHERMAL UPDATE

UKOG WSCC/046/23

<https://www.cornwalllive.com/news/cornwall-news/gallery/construction-uks-first-geothermal-power-9055583>

Construction of UK's first geothermal power plant¹ begins in Cornwall - Cornwall Live dated January 24th, 2024

The United Downs project is expected to start producing power in 2024 and represents the UK's first integrated deep geothermal power and heat project.

GEL successfully drilled and tested two wells at United Downs in 2019 and 2020, including a production well drilled 5km underground. Beyond United Downs, GEL is also developing new geothermal projects across the county, each anticipated to deliver 5 MWe of baseload power and 20 MWth of renewable heat energy for the local area.

The new plants will each take approximately 36 months to complete and together will produce enough electricity to power over 70,000 UK homes. The Renewable Energy Association and Arup have estimated that the development of deep geothermal projects in the UK could fulfil the country's entire residential demand for 100 years and create as many 10,000 direct and 25,000 indirect jobs

¹¹ First one developed in Southampton