



NNB BYLOR JV HINKLEY POINT C NUCLEAR POWER STATION

Passive pressure relief wells with
geophysical logging in line with the
nuclear new build quality controls

Installation of a series of passive pressure relief wells to reduce porewater pressure

To comply with the specification requirements the geophysical testing included:

- Verticality testing to log inclination
- Calliper testing was undertaken to highlight any major fractures and fissures in the bedrock and to enable adjustment to well design if necessary
- Full CCTV surveys after the completion of drilling, and after the steel well liner had been installed ensured that there were no potential issues with the integrity of the well
- Thorough and highly detailed logs were produced and records kept with geophysical analysis and interpretation



Objective

In-line with Nuclear New Build quality controls, extensive geophysical logging, analysis and interpretation was undertaken at Hinkley Point C as part of the permanent groundwater control design.



Solution

As part of the permanent groundwater control design to reduce porewater pressure, a series of passive pressure relief wells was installed. Phased works involved the drilling of permanent pressure relief wells up to 70m deep using rotary drilling methods.



Services	<u>Geophysical Logging</u>
Location	Somerset
Industry	Construction