

Raising the roof at Dounreay's newest radioactive waste store



PUBLISHED OCT 1, 2021
BY [GOV.UK](https://www.gov.uk)

Seventy six beams, weighing a total of 1,400 tonnes, the equivalent of 116 double decker buses, are needed to complete the mammoth roof structure which will have a total weight of 3,300 tonnes. They were manufactured in Ireland and shipped to Scrabster in August.

In the first phase of the work, 31 beams weighing between 25 and 45 tonnes each were transported to site by 4 extendable trailer articulated lorries. They were then lifted into place using the existing on-site 250-tonne crane and a 500-tonne mobile crane.

Local company Hugh Simpson is contracted by GRAHAM Construction Ltd (GCL) to store, transport and install the beams. GCL is constructing the new waste store, which will hold drums of intermediate level waste in safe long-term storage in accordance with Scottish Government policy.

Watch the film

Dounreay's Programme Delivery Director, William Lindsay, said:

It is a logistical challenge to get these roof beams into place, at height, in a congested site, and has required a significant amount of planning to achieve the first of a three-phase installation sequence.

Dounreay is Scotland's largest nuclear decommissioning project and is widely recognised as one of Europe's most complex nuclear closure programmes. The work is being delivered by DSRL on behalf of the Nuclear Decommissioning Authority.

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