Welcome

Bradwell LCLC

Please:

- Be courteous to one another
- Do not talk over other people
- Respect every viewpoint
- Raise your hand before talking

23/09/2026

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NDA | NRS Nuclear Restoration Services

Presentation to LCLC
Bradwell Site

Alan Walker
Site Director, Bradwell and Sizewell A Sites

23/09/2026

NDA | NRS Nuclear Restoration Services

Safety Compliance & Environment

What's Gone Well:

- ✓ Safety – There have been no first aid incidents or accidents sustained at Bradwell since the last LCLC
- ✓ There have been no significant Security events at Bradwell since the last LCLC
- ✓ Successful Security ONR witnessed exercise, 'Adequate' rating
- ✓ Successful ONR Inspection for Detect & Assess, 'Adequate' rating
- ✓ Conventional & Nuclear Environment Agency site visit
- ✓ Successful identification of suspected theft from land adjacent to site

Focus Areas:

- ❖ Maintaining site external areas and continuous security improvements

Look Ahead:

- ➢ Preparing for the 2027 mobilisation, ensuring training and risk assessments are produced for the works being undertaken
- ➢ Bradwell Beach Clean on 24th September in collaboration with the Marine Conservation Society information can be found on the Marine Conservation website. Open to any member of the public by signing up HERE



Asset & Infrastructure Care Projects

- April 26 – Sept 26
  - Intrusive maintenance of Intermediate Storage Facility (ISF) Crane (relays replacement)
  - June – 60 x planned compliance routines
  - Main Drains Pit vegetation clearance

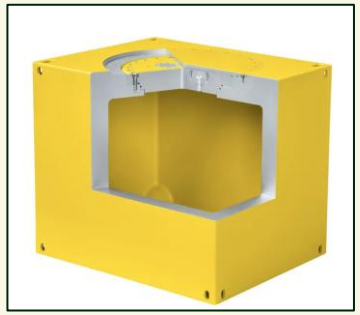
- Sept 26 – 3-week maintenance mobilisation
  - Including but not limited to; ISF Crane Maintenance, BV inspections, Dehum and BMS Maintenance. Lighting and Electrical Routines and Maintenance, Security Systems Maintenance, Civils Inspections & Repairs (external areas), General Plumbing Maintenance, Drone survey of Peregrine nesting boxes

Waste Operations

Intermediate Level Waste (ILW):

- Import of 1x Dungeness DCIC into Bradwell ISF containing sand and gravel waste. Export of empty Type VI DCIC to Dungeness for filling.
- Receipt of new coupon stillage following offsite manufacture. Stillage used to store samples of package components to monitor integrity and provide early warning of degradation.
- Ongoing inspections and compliance activities within ISF





"Type VI," DCIC

Low Level Waste

- Minimal LLW arisings since last meeting. Small volumes of secondary wastes (<0.5m3) associated with ISF works.
- 31 drums of LLW/VLLW remain on site from last years outage. To be consigned for treatment this FY.
- Outage planning for next FY underway. Likely to generate concrete/rubble VLLW and incinerable secondary wastes.
- Bradwell waste arisings expected to drop significantly following next years outage assuming outages move to five years

Other Issues

- Site has seen a reduction in fly tipping events following co-ordination with local council.

Bradwell applications 2026-2027

Bradwell projects: £1,060.69 - 1 project supported so far in FY26/27

1 Good Neighbour project been supported

Saint Thomas Church Bradwell-on-Sea £1,060.69

Funding for kitchen utilities and informational display boards.

St Thomas' Church is a valued community asset at the centre of village life in Bradwell-on-Sea. For more than 25 years, its community rooms have hosted a wide range of groups and activities that serve the wider community, creating opportunities for people to connect, learn, access support, and build a stronger, more resilient local area.



We are currently reviewing new applications for FY26/27 and look forward to sharing an update at the next LCLC meeting.
If you know of any community organisations with a project that aligns with the funding criteria, please get in touch.

For further information visit: NRS working with our communities - GOV.UK (www.gov.uk)

Questions

- Update on estimate of dates for end of the deferred decommissioning phase, final site clearance of the main site, final site clearance of intermediate level waste store, final clearance of baffle wall structure? *Reactor dismantling and site clearance is currently forecast to start in 2105 and complete in 2133. ILW store demolished by 2128.*

- Update on repairs and condition of relevant sea defences i.e. in advance of the autumn and winter period? *Last inspection undertaken on 21st May 2026.*

- Update if any on consultation process to determine site end state e.g. weight attributed to local response? *No decisions have been taken that alter the current Bradwell decommissioning programme. NDA strategy 5 (2026-2031) indicates moving from fixed end-state assumptions to an iterative and adaptive approach.*

- Update if any on the condition of the graphite cores and the process for their later removal and disposal (if the cores have not been assessed it would be useful to understand their condition at sites where the have been removed or assessed)? *No recent inspections have been undertaken of the Bradwell graphite cores which are contained in robust structures and covered by a safety case.*

Questions (Graphite continued)

Trawsfynydd and Dungeness A will be the lead sites for Reactor dismantling and site clearance. Techniques and learning will be transferred to later sites such as Bradwell.

Graphite retrieval and pre-treatment techniques and potential options

Technique	Impact on waste form/ management options	Feasibility
Individual bricks	Graphite bricks remain intact. Good efficiency achievable for tight packaging of bricks in basket.	Approach used at Windscale AGR
Multiple bricks	Graphite bricks remain intact. More efficient than single block retrieval; basket/ container geometry for multiple brick emplacement would require consideration.	Technology developed and tested for Tokai, Japan
Graphite mining	Results in a proportion of the bricks being broken. Faster approach than retrieval of individual bricks. Waste is loose tipped into a suitable basket or container. Less efficient packaging factors than for tight packing of bricks in containers. A more aggressive, industrial retrieval approach.	Approach used at Brookhaven, USA
Channel reaming	Produces a small particle size, flowable waste form. Potentially compatible with thermal treatment options, or for example for reuse in grout mix. Impact on packaging factors for emplacement in containers would require consideration.	Low Technology Readiness Level (TRL) status
Nibble & vacuum	Produces a small particle size, flowable waste form. Potentially compatible with thermal treatment options, or for example for reuse in grout mix. Impact on packaging factors for emplacement in containers would require consideration.	Scabbing tool and cutter have been developed & tested successfully on a number of materials