

Harwell B551 Decommissioning



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B551 Decommissioning

- B551 is a large building on site covering an area of approx. 6400m² over 2 floors.
- Constructed in the late 1960's as an Analytical Chemistry Facility, became operational in 1968.
- Extension added to the front of the building for the use of the Environmental and Medical Sciences Division.
- The main facilities in use during the late 1990's and early 2000's were the inhalation rig and fused clay particle production and a radon exposure rig.



Programme Vision and Project Purpose

B551 land will be released as part of the NDA Harwell site programme in order to achieve the Harwell Interim End State.

- All radiological and chemical hazards are removed, or remediated, to acceptable levels to enable delicensing and redevelopment as part of the science park.
- Decommissioning and demolition of the B551 facility, and associated structures is completed safely, and securely, within budget and to the schedule.



Performance to Date

Safety

- Strong Safety Culture.
- Daily site walks and toolbox talks
- Regular Safety Audits
- No lost time accidents

B551 is now entering it's final stages of decommissioning. The building has been completely stripped of all plant and equipment – including fume cupboards, lab equipment, all doors, floors, lighting and vent work. Everything.



Hazard Removal

- All hazards have been removed prior to demolition:
 - Asbestos (Stage 4 Clearance signed off 4th March 2021)
 - Radiological contamination



Waste Management

- 140 waste boxes have been filled with Very Low Level Waste (VLLW).
- 10 x Pactec soft waste bags.
- All waste – will undergo gamma spectrometry, waste likely to be dispatched to a licensed waste site.



Innovation

- Construction of loading bay to remove manual handling requirement.



Ancillary Building Demolition

- This week...
- Demolition has commenced on the ancillary buildings.
- The main building demolition will start on Monday 22nd March, three weeks ahead of schedule.



Next Steps

- Completion of demolition
- Delicensing case for the B551.
- The land has to be de-designated after this (NDA/BEIS activity).

End State

- The area will be restored to brown field.
- Once delicensing, re-fencing and de-designation is complete – the land will be available for future use.



Questions?



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