

Harwell Site Stakeholder Group (SSG) 5th Nov 2024

Gary Reid
Harwell and Winfrith Site Director



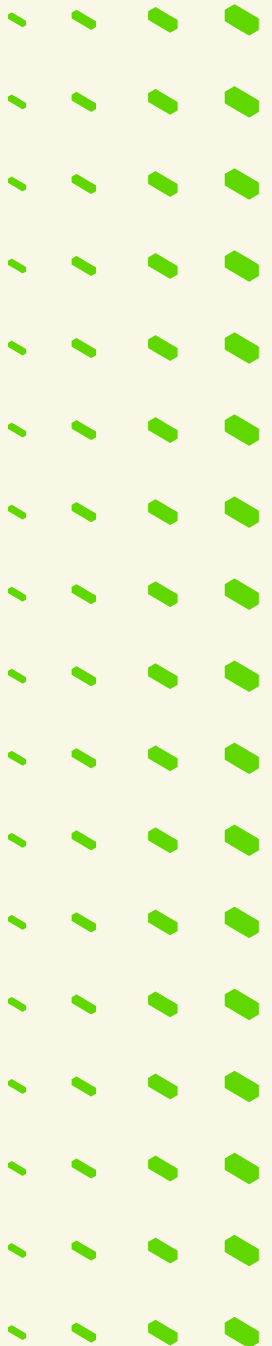
05/11/2024



NRS
Nuclear Restoration
Services

Harwell site – what we will cover

- Environment, Health, Safety, Security and Quality (EHSSQ)
- Site operations
- Current work programmes
- What else is happening on-site
- Sustainability at Harwell
- NRS Socio-Economic Scheme



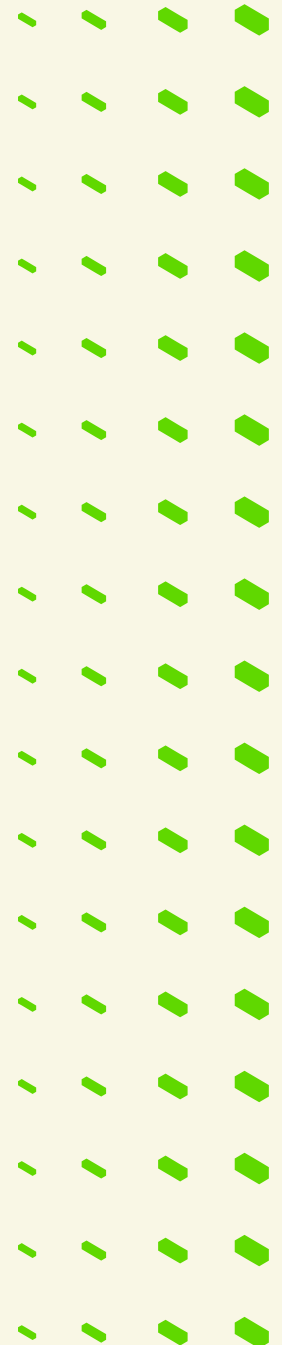
Environment, Health, Safety, Security and Quality (EHSSQ)

- Safety, Environmental and Security performance remains good for Harwell. We continue to promote an open honest reporting culture to ensure we perform to the best of our ability.
- September's regulator evaluated demonstration exercise, assessed by ONR (office nuclear regulation) rated as Amber
 - Improvement Opportunities in some area's including casualty management
 - Site remains capable in its ability to respond to emergency conditions
 - Genuine Site Emergency Response to significant ruptured gas main (offsite) in September
- Safety standards continue to be evaluated and challenged via our internal safety forums with all staff grades represented.
- Atmospheric and liquid effluent discharges from Site remain well within permitted limits with no observable trends
- Data returned from environmental monitoring programme well within limits and often at limit of detection

Site Operations

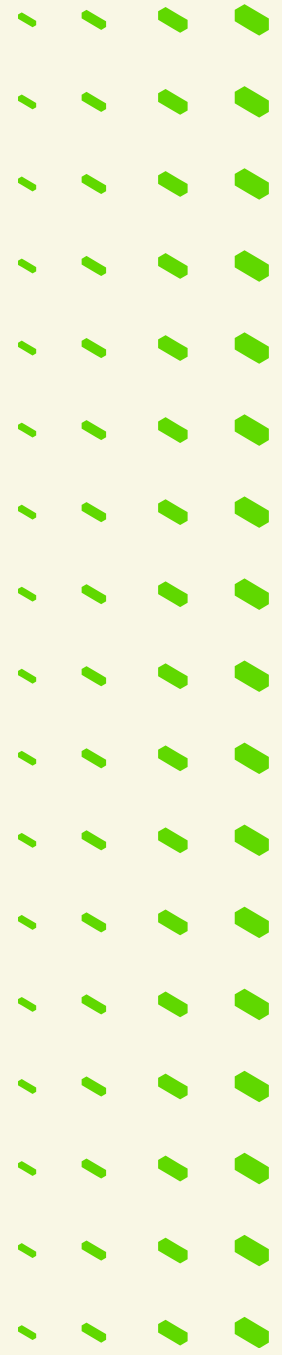
Targets 2024/25

- NMT (Nuclear Materials Transfer) – Making good progress towards 165 Waste Packages consigned this year. **On Target**
- RHILW (Remote Handled Intermediate Level waste) retrievals – a series of unrelated plant breakdowns have slowed progress but 7.4Te still achievable. **Below Target** (recovery expected)
- Working towards 208m³ Legacy Low Level Waste consigned. **On Target**
- Waste Encapsulation Plant to encapsulate 120 packages. **On Target**
- Preparation of Delicensing case for West Meashill. **On Target**



Current Programmes

- Update on land release
- Nuclear Material Transfers (NMT)
- Remote Handled Intermediate Level Waste (RHILW) retrievals
- Legacy waste
- Compliance and end states programme
- Decommissioning programmes



Harwell land release

- NRS is working with NDA, UKAEA, Central Government, and Campus Joint Venture private sector partner to develop a proposal to optimise land release plans to support further development of the campus.
- NRS is currently preparing a Land Release strategy that will be presented to the NRS board in November.



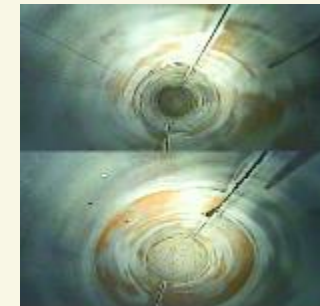
Nuclear Materials Transfers *Numbers at the last SSG*

- 5817 (5697) drums shipped to-date
- 87.6% (85.7%) of total drums
- 65% (55.6%) of activity (Bq) removed
- Forecast 88.5% drums complete by Mar/Apr 2025 (slight reduction due to plant issues at SL, and with package availability)
- Current Transport Fleet : 3x Gemini, 2x Modular, 5x Novapack, 4x Saftainer.



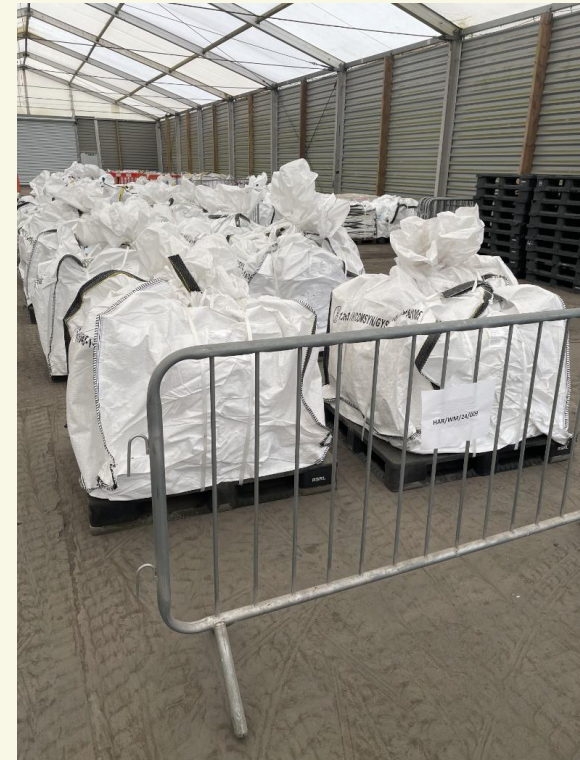
Remote Handled Intermediate Level Waste (RHILW) retrievals and Harwell (ILW)Box Store

- ILW retrievals and processing – 3.8Te processed versus a 7.38te target for 2024/5. Retrieval Machine 2 has suffered a breakdown, with repair imminent. Recovery to the year end target still achievable.
- The Waste Encapsulation Plant (WEP) has processed 286 (215) drums. Total will be circa 950. Annual stretch target of 132 grouted drums should be achieved.
- Retrieval Machine1 is operational, and the radon abatement equipment is in phase 2 commissioning.
- The Post Operational Clear Out (POCO) project continues to develop solutions to allow cleaning for disposal of the waste storage tubes once emptied.
- The Harwell ILW Box Store (HIBS) is going through work to allow final active commissioning ready to receive the first Robust Concrete Box (RCB) box – expected 2027 now.



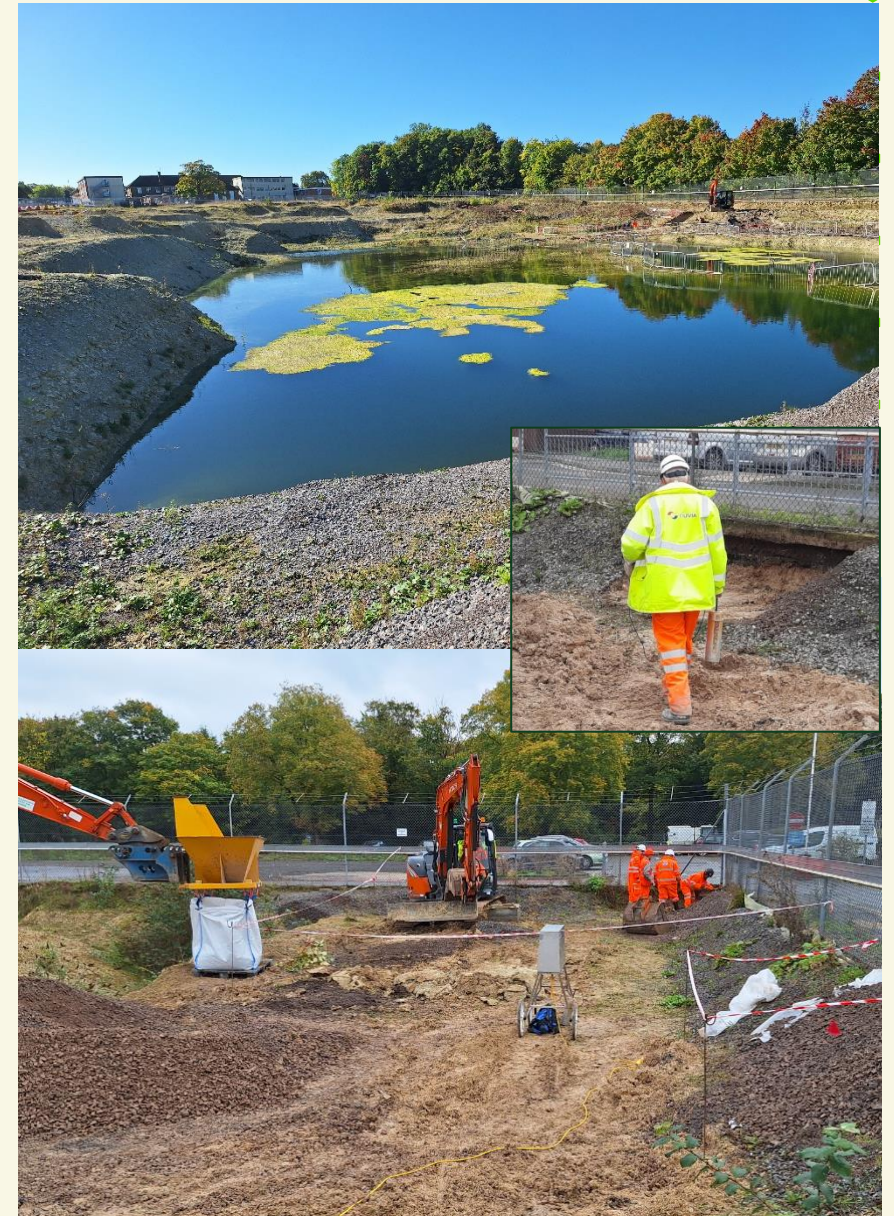
Legacy Waste

- 150m³ legacy waste has been consigned since April 2024.
- The legacy waste team expect to achieve their target of 280m³ consigned from site this year
- Temporary waste storage tents will all be removed from site due to end of the lease agreements. New tents to be constructed next year.



Site Restoration

- **LETP Land Remediation (see photos)**
 - Minor remediation work underway, very good progress made in spite of exceptional September rainfall (wettest month in Oxfordshire in 188 years!)
- **Groundwater Remediation**
 - Covered in a separate presentation by Jon Blackmore
- **West Meashill Area Land Release**
 - Regular meetings continuing with regulators.
 - Delicensing case submission – Spring 2025
- **Meashill Trenches Remediation**
 - Project underway; initial options assessment progressing.
- **Downs Way East Land Remediation**
 - Minor remedial works but any further project work deferred to prioritise other, higher priority areas



Decommissioning (Reactors and Rad programmes)

B220



Characterisation and asbestos survey contract progressing.

B418



Demolition start planned for 2025 / 26

B401.8



Asbestos strip out nearing completion prior to demolition.

What else is happening on site

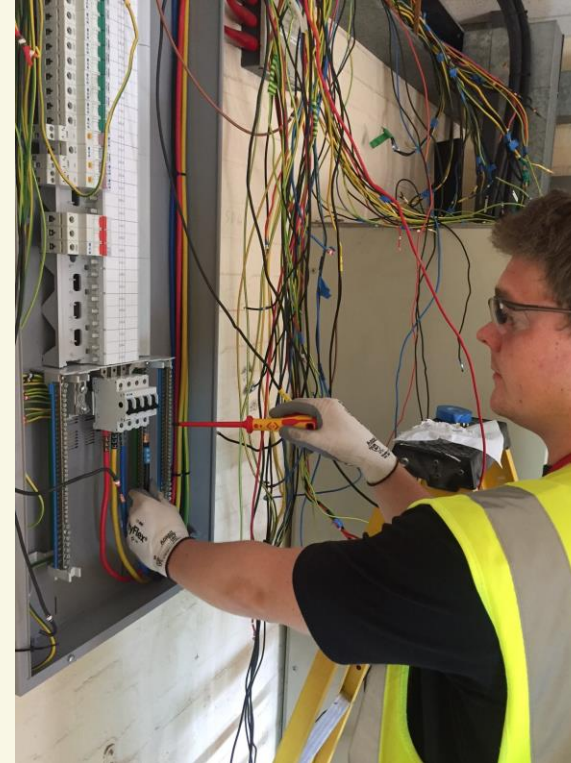
Recruitment

- 15 roles filled since April 2024 (4 external, 9 internal, 1 contractor conversion, 1 graduate to permanent)
- 20 current roles open (as of 24/10/2024)
- Bethany Sear – started yesterday to replace Emma

Apprentices

- x1 degree level project management apprentice joined in August 2024
- x2 health physics and x1 Mechanical are on programme from the 2023 cohort
- x1 Electrical is on programme from the 2022 cohort

TOTAL: 5 apprentices at Harwell



Sustainability at Harwell

Site Sustainability Working Group

- Nature walk by the campus Biodiversity to learn about the balance of species
- Litter picks with the wider campus
- Sustainability swaps display – what you can do
- Re-launch of the Sustainability working group

Environmental Sustainability

- Use of new efficient equipment for B401.8 project demolition (less fuel used)
- Solar CCTV time lapse camera
- Toolbox talk on understanding ecology given to B401.8 Project to be cascaded to other projects
- Mixed construction waste sent for recycling
- Car sharing by contractors

Social Sustainability

- Working with Mental Health first aiders to improve social health on site
- Introduction of Social and Wellbeing Teams Channel
- Looking to enable social connection through the welfare hub
- Encouraging staff to volunteer in the community





NRS soc-ec funding remains at

£1.1m annually

£1,000,000 has been committed of which
£72,000 for Good Neighbour (£6k per site)

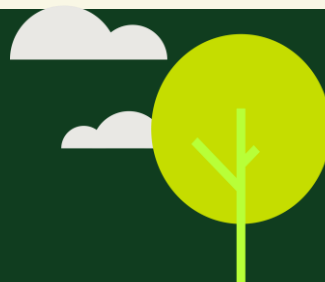
Harwell funded projects 2024/2025 to date

Good Neighbour – 3 projects £2,299.00

Multi year project – SOFEA - Engaging young people; tackling the effects of poverty and disadvantage - totalling £50,000.00 over 3 years

For further information please visit [NRS working with our communities - GOV.UK \(www.gov.uk\)](https://www.gov.uk)

- Good Neighbour applications for Harwell email: Bethany.Sear@magnoxsites.com
- Applications over £2,000: email: jessica.dawson@magnoxsites.com



Socio economic funding 2024/25

Harwell's Good Neighbour projects

- **Chilton Art Festival** - £500.00 awarded towards costs of the festival

Project delivers the chance for local artists to perform for the village in a low intensity environment. It allows local groups (scouts etc) to get involved with the community.

- **Vale Community Impact** - £846.00 awarded towards Essential IT equipment, laptop & CCTV

Vale Community Impact (VCI) Offer free and impartial advice on a broad range of topics such as debt & money management, benefits, and housing.

- **St Matthews Church Harwell PCC** - £953.00 awarded towards improved facilities at the hall

Help to improve the facility to attract more users and help the community facilitate more events .

The new NDA grant funding guidance for applicants and practitioners is now live on gov.uk. Please see the link below.

[NDA group local social and economic impact guidance: grant funding - GOV.UK](#)

These documents can also be found on the SSG Website – www.nrsssg.com

Any Questions?

