

Winfrith Site Stakeholder Group (SSG) 14th May 2024

Paul Brennan
Harwell and Winfrith Site Director



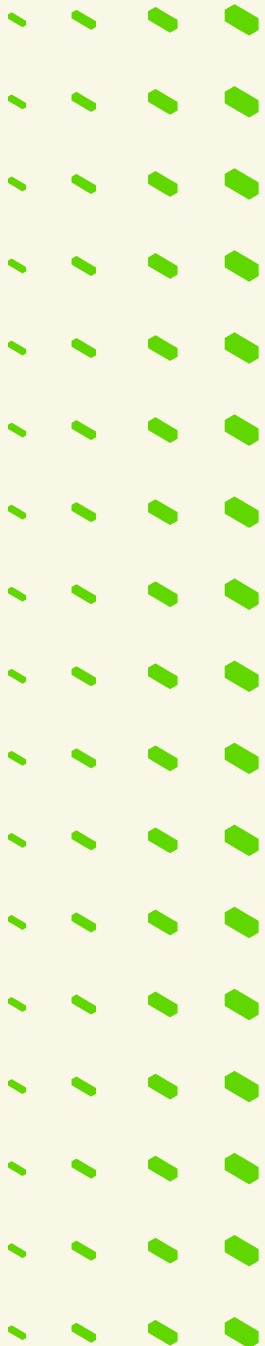
What we will cover?

- Rebranding
- Environment, Health, Safety, Security and Quality (EHSSQ)
- Site operations
- Current work programmes
- What else is happening on site
- Sustainability on the Winfrith site
- NRS socio-economic scheme



Rebranding

- Rebranding to Nuclear Restoration Services continues.
- Our new brand strategy represents the joining together of Magnox and Dounreay and prepares us to welcome the seven advanced gas-cooled reactor sites for decommissioning, and other future missions.
- Implementation of the brand is following a two-year programme to ensure best value for money and to give the brand strategy time to embed.
- Email addresses, using the new organisational name, are currently being tested, the change will happen soon. The formal company name change happened at the end of the financial year.
- While our brand is changing, our focus on safely decommissioning our nuclear sites remains the same.



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

- No Lost Time Accidents in 576 days (as of 30 April 2024).
- No issues regarding on-site safety raised via Health and Safety committee (HESAC).
- 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.
- Adequate demonstration of Site Emergency Arrangements via an ONR assessed demonstration exercise in late April.

Regulatory Topics

- Sustainability discussion with EA, component of Site Environment Review.
- EA Intermediate Level Waste focussed inspection, including MILWEP, in Jan 2024.
- Supported handover to new ONR Site Inspector and ONR CNSS Site Inspector.

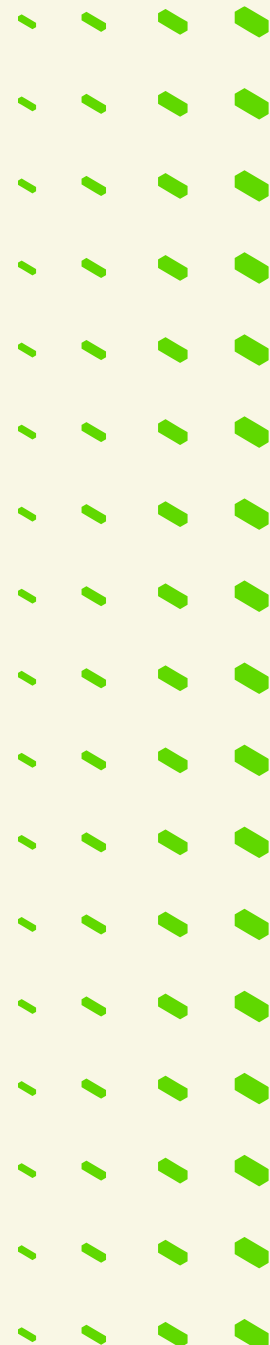
Site Operations

Successful Year in 2023/24

- Treated Radwaste Store (TRS) rail shipments completed.
- Substantive progress made with Dragon commissioning. Now close to completion albeit 11 months behind target.
- Removal and consignment of sludge from Active Liquid Effluent System delay tanks (presentation later).
- Demolition of on-site sewage treatment works completed.

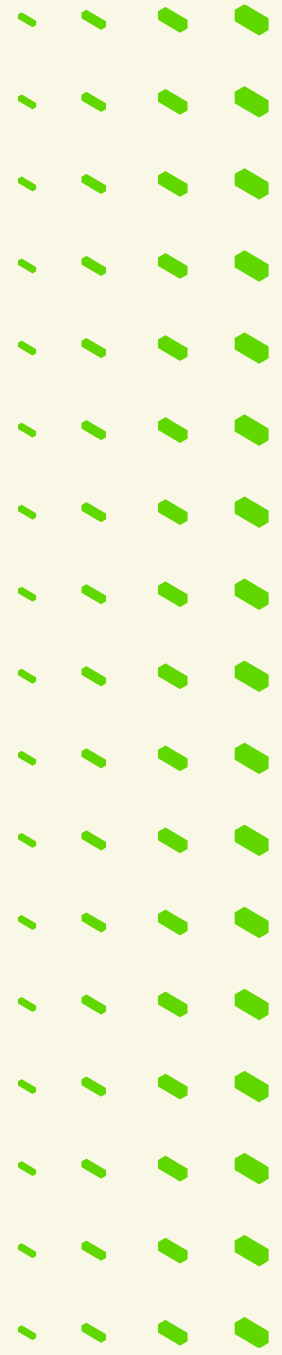
Budgets and funding 2024/2025

- Funding is consistent with previous years.



Current activities

- SGHWR reactor decommissioning
- DRAGON reactor decommissioning
- Waste consignment / processing
- Plant and Structures projects
- End state/site restoration



SGHWR decommissioning

SGHWR

- SGHWR main contractor went into administration August 2023. NRS has continued to progress the project where possible.
- Developing approach and detailed delivery plans. Will not be finalised until September/October of this year.
- Order placement being progressed with ex JFN suppliers to allow progression of commenced work.
- Development facility A544, work due to commence to allow continuation of equipment testing and training.

Mini-MILWEP - (Modular ILW Encapsulation Plant)

- Mini-MILWEP - currently forecast to be delivered by the end of 2025.
- Civil construction work has now commenced on-site.

Pictures - (i) Core cutting of temp construction opening in D60, (ii) Trial assembly of demonstration facility gantry prior to delivery and rebuild in A544 & (iii) Excavation for the mini-MILWEP building foundation and slab.



Dragon reactor core decommissioning



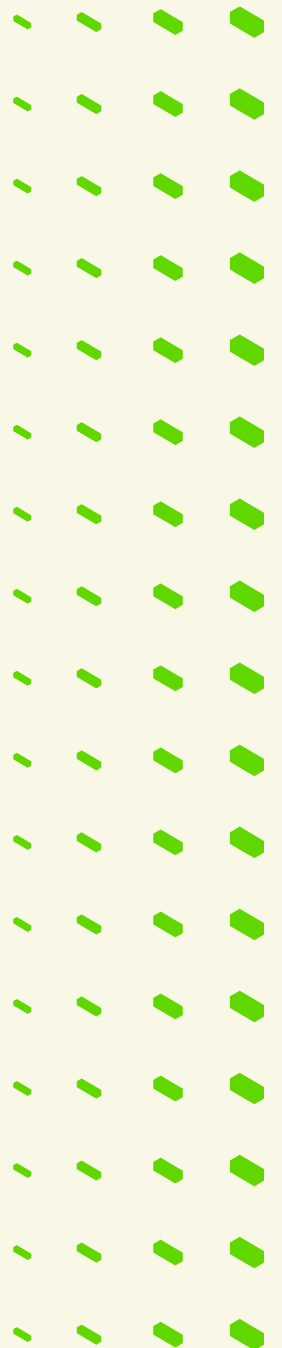
Low Level Waste crate
handling trials



Laser cutting trials



Removal of shielding from
coolant ducts



Treated Radwaste Store (TRS) shipments

- Major waste disposal project has been completed ahead of schedule.
- 11 consignments of 10 cabriolets (totalling 1068 drums) of radioactive sludge successfully transported to Nuclear waste services in Cumbria via rail.
- The final shipment of cabriolets despatched in Jan 2024, 3 months ahead of schedule.
- The project represented a considerable achievement in terms of sustainability and environmental awareness by using rail as opposed to road transport, reducing the carbon footprint.
- [Final TRS drums arrived at the LLW Repository site for disposal \(youtube.com\)](https://www.youtube.com/watch?v=UWU333333333)



Plant and Structures (P&S)

- **Sea Pipeline** - Currently writing business case to obtain funding for the next phase of the project.
- **Blacknoll Reservoir** - Pre-planning application submitted to Dorset Council. Demolition work scheduled for winter 2025.
- **A42/44 (old fire station and telephone exchange)** - Internal strip out work will commence in the summer and demolition will follow in the autumn.
- **A55 Delay Tanks** – Sludge has been removed and tanks demolished.
- **Redundant site sewage plant** – demolition completed.



End State

Plans for 2024

- Complete Environmental Impact Assessment (EIA)
 - Final ecology surveys in Summer
- Further community and stakeholder engagement prior to submission of planning and permit applications. Expect this to be in September.
 - This will focus on the outcome of the EIA and the outline of restoration design and management plan.
- End 2024 – submit applications for
 - Planning permission for remainder of site decommissioning activities, including waste disposals for sub-surface structures at SGHWR and Dragon.
 - Environmental permits to undertake waste activities at SGHWR and Dragon.
- Environment Agency and Dorset Council will also undertake consultation with local communities.



What else is happening on site?

Planning permission

- Pre application documentation for the remediation of Blacknoll Reservoir has been submitted.
- Site Planning application scheduled for submission 2024.

Recruitment

- Since Jan 2024, 3 roles filled 2 internal, 1 external.

Apprentices

- Currently 5 apprentices on programme at Winfrith:
- 2x Mechanical Engineers (level 3) – both started in 2021, 4 year programme
- 2x Electrical Engineers (level 3) – 1 started in 2020 and 1 started in 2021, 4 year programme
- 1x Health Physicist (level 2) – started in 2023, 2 year programme.

Apprentices starting in August 2024:

- 1x Health Physicist (level 2) – 2 year programme.
- 1x Project Manager (level 6 /degree level) – 4 year programme.

Site visits

- Rob Fletcher/Lawrie Haynes (NRS CEO/Chair) – visited in March, SSG Chair and Deputy joined for lunch.
- Environment Agency CEO visit scheduled for July 24.



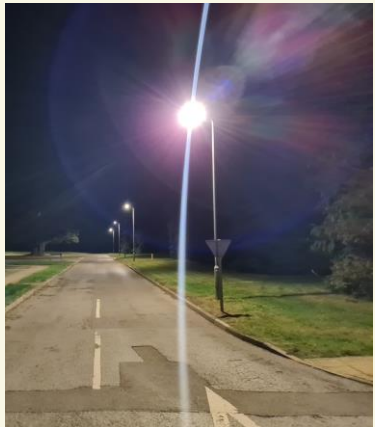
Sustainability at Winfrith

Site Sustainability Working Group

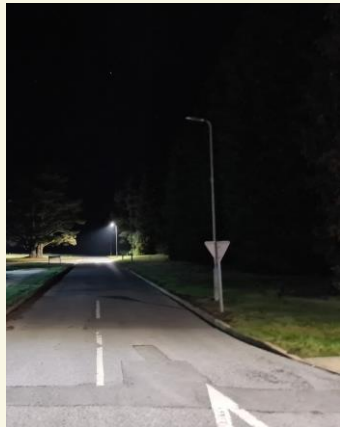
- A senior member of staff and keen nature observer, lead a site nature walk/talk in summer 2023. More scheduled for 2024.
- Sept 2023, Feb 2024 litter picks (including Gatemoor Road and surroundings). More scheduled for April, July, Sept 2024.

Environmental sustainability

- Fleet of six eV vans replacing old diesel/petrol vehicles - reducing site CO2 emissions and fuel costs.
- 56 streetlights replaced with LED lights in 2023. Solar powered lights being tested round external area of SGHWR building.
- Two thirds of site streetlights are now turned off between midnight and 0600. Both reduce the sites energy costs and light pollution levels.



Streetlights Dusk till 00:00



Streetlights 00:00 – 06:00

Social Sustainability

- Forging other links with local schemes through Neighbourly volunteering opportunities are welcome.

Socio economic funding 2023/24

Winfrith – 3 good neighbour applications – totalling £3,252

- **Wool Carnival Committee £746** - purchase of Gazebo, hire of PA System, provision of First Aid for the event.
- **Wessex FC (Girls' Team) £506** -Training kit for 11 players.
- **Wool Village Hall £2,000** - Sound and Vision Project contribution

Dorset Wildlife Trust £80,730 over three years (£26,910 per annum) to support two Heathland Heritage Trainees per year (total six) recruited locally and match-funded and managed by DWT.



Any Questions?

