

Winfrith Site Stakeholder Group (SSG) 31st Oct 2023

Paul Brennan

Harwell and Winfrith Site Director

Winfrith Site

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



NRS
Nuclear Restoration
Services



Rebranding - today!

- Rebranding to Nuclear Restoration Services
- Many thanks if you have had any input into this
- 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.
- Today very low-key launch to workforce and key stakeholders.
- Implementation of the brand will follow a two-year programme to ensure best value for money and to give the brand strategy time to embed.
- You may start seeing some changes externally, including signage and website and social media.
- Email addresses, using the new organisational name, will launch in early 2024 and the formal company name change will happen at a later date (anticipated to be early 2024).
- 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 387 days (as of 18th Oct 2023)
- Successful delivery of Psychological Training in the summer, further courses for additional staff scheduled for early 2024.
- No issues regarding on-site safety raised via 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
- Increase in dose at the site fence attributable to TRS drum transport project, small % of public dose limit
 - If you spent 1 year at the fence (and did not move!) this equates to less than a transatlantic flight
- Small spill of non-active diesel from a generator used to power buildings at SGHWR, Environment Agency informed, and a small volume of affected soil removed



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

Regulatory Topics

- Site security exercise demonstration – rated Green (adequate)
- EA Inspections covering Sustainability & Fire Water Management
- ONR Inspections covering Commissioning and Competence of those who handle Radioactive Waste completed in October



Site Operations

Successful Year in 2022/23

Treated Radwaste Store (TRS) Rail Shipments

Dragon

End State (stakeholder engagement in the summer, this will be covered later)

Budgets and funding 2023/2024

Funding continues to be challenging, all planned work currently going ahead as scheduled

Planning review for 2024/2025 due to commence in November

Current activities

- SGHWR reactor decommissioning
- DRAGON reactor decommissioning
- Waste (inc. Treated Radwaste Store) shipments
- Plant and Structures projects
- End state/site restoration
- Asset management and asset care
- Support functions



SGHWR reactor decommissioning

- James Fisher Nuclear (JFN) main contractor for SGHWR went into administration August 2023 - Magnox implemented contingency plan
- Magnox 'assets' being delivered under the JFN contract secured.
- Magnox working with administrator to retrieve all items.
- Most appropriate delivery strategy for the remaining scope being developed.
- Pictured - Mast Mounted Manipulators (MMM), KUKA Robots & ancillary equipment transferred from test facility in Bower, North Scotland to Winfrith
- Mini MILWEP continuing as normal, self-delivered by Magnox
 - Contract placed with NSG for plant and for Mildren completing the civils work
 - Area set-up and pre-construction work commenced pending safety case sign off



Progress prior to administration



Formwork installed & concrete poured 169'
Overcore



Robot access penetration cut North
Annexe



First of three 15 000kg floors
removed in vehicle access area

Dragon Reactor Decommissioning

The Dragon Project team continues with the commissioning and reliability-testing of the new plant that will be used to remotely dismantle the reactor core. Training and familiarisation of operators is being carried out in parallel with the commissioning.



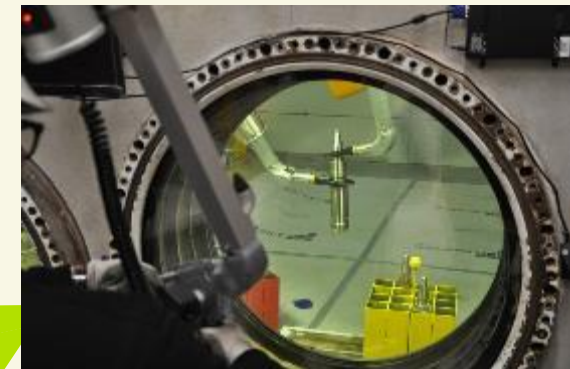
Remotely-operated laser cutting trials within the Head Cell



Testing of the Intermediate level Waste "Bin" Assay Array



Smoke testing of new and existing containments



Packing trials using dummy "Fuel Spikes"

Dragon reactor decommissioning



Purge Gas Pre-Cooler (PGPC) recovery and Cathedral decontamination was completed. The scheme for processing and disposal of the PGPC is in development

Treated Radwaste Store (TRS) shipments

- Work continues with Nuclear Waste Services (NWS) to retrieve and despatch the Steam Generating Heavy Water Reactor (SGHWR) conditioned sludge drums from TRS.
- 9 consignments of 10 cabriolets (each containing 10 drums) have already been successfully made to LLWR in Cumbria via rail.
- Final shipment of 10 cabriolets planned in Feb 2024 and well advanced in terms of preparation.
- Ahead of schedule to achieve this group key target.
- This project represents a considerable achievement in terms of sustainability and environmental awareness by using rail as opposed to road transport, reducing the carbon footprint.



Plant and Structures(P&S)

- Sea Pipeline
 - Strategic Outline Case being developed
 - Work continues on the preparation of project management documentation.
- Active Liquid Effluent System (ALES) decommissioning
 - A55 - ALES tank decommissioning has started.
 - Decommissioning of the A57, the old sewage treatment system is complete.
 - Demolition of B76 the Dragon delay tanks is complete.
- Blacknoll Reservoir
 - On-site soil analysis has determined that proposed in-fill material is suitable for use to backfill the reservoir.
 - Pre-planning application work currently underway.
- A42/44 (old fire station and telephone exchange)
 - Enabling activities are in progress, leading to demolition starting in new year.

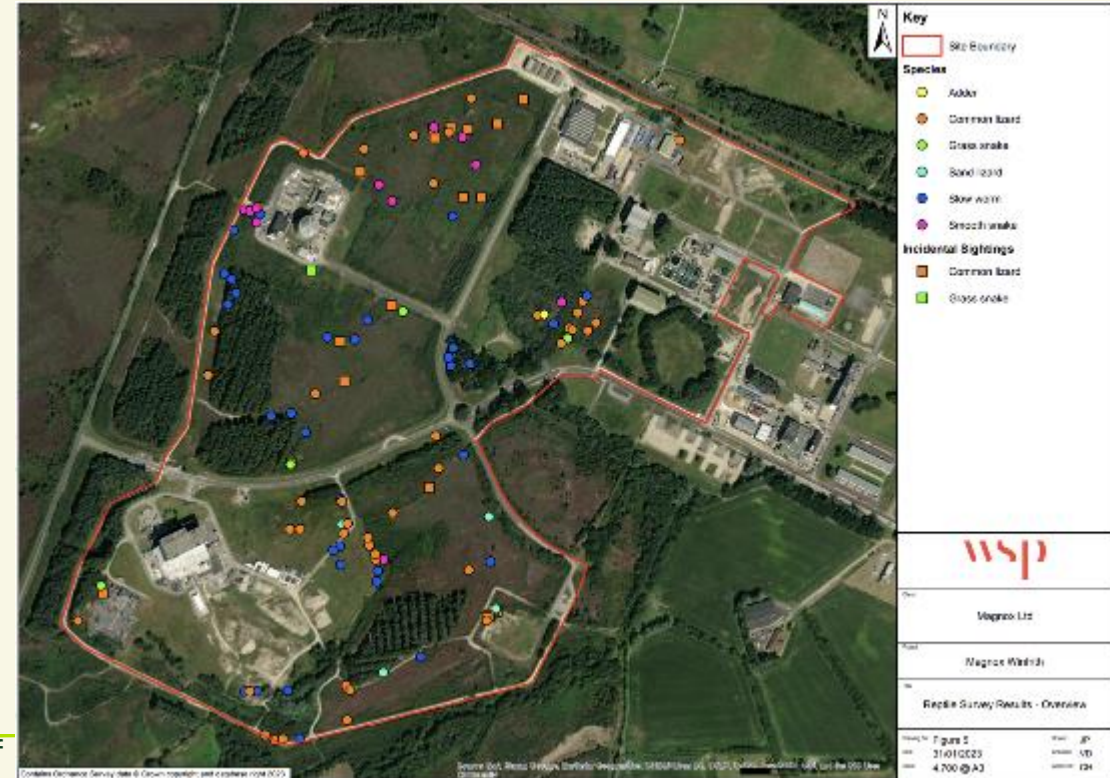


End State

- Work is continuing to define the details of the end state for the site including:
- Seeking community on proposals
- Further habitat surveys (map shows what has been found and where)
- Engineering design of disposals
- Risk assessment of proposed disposals

Plans for 2024

- Complete Environmental Impact Assessment (EIA)
- Further community and stakeholder engagement prior to submission of planning and permit applications.
- Finalise Permit application documents.
- Submit planning and permit applications for on-site disposal and recovery of wastes.



Asset management and care

Routine Maintenance

- Planned maintenance work continues as required.

Support to Decommissioning and Other programmes

- Rationalisation of telephony services to facilitate demolition of redundant Emergency Services building.

Individual projects

- Dragon roof repair complete.
- Design work for replacement heating (Air Source Heat Pump) within A60 commenced.
- Design work for revised Site entrance layout ongoing.



What else is happening on site ?

Staff welfare arrangements

- Break out rooms set up in multiple locations (A60 / B71).
- Number of hot desking stations has been increased in A60 and B71.
- Additional welfare facilities being installed at A545/47.

Planning permission

- Pre application works for the demolition of Blacknoll reservoir has commenced
- Site Environmental Impact Assessment (EIA) and Planning application scheduled for submission 2024.

Recruitment

- 29 roles filled since Jan 2023
- 11 external, 18 internal
- Apprentices – currently have 5 apprentices on site at Winfrith. Mx reviews annually if there are opportunities to offer further apprentices and currently considering this for September 2024.

Site visits - Japanese Atomic Energy Authority and NDA / DESNZ



Soc-ec 2023-24:

- **3 successful funding requests for Winfrith totalling £81,982**
- **Good neighbour funding £2,000** per application; however £6,000 allocation per site remains unchanged. If you are applying for funding, you must be a constituted organisation and provide quotes for the items you are requesting.
- **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.
- **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. Training will consist of wildlife conservation, countryside skills, with accredited learning modules and practical training and experiences. Trying to arrange a visit to the site for them.



<https://www.gov.uk/government/collections/magnox-working-with-our-communities>

Emma Burwood looks after Good Neighbour applications for Winfrith, applications over £2,000 by Haf Morris (Haf.e.morris@magnoxsites.com)

Any Questions?

