



HARWELL SITE STAKEHOLDER GROUP

106TH MEETING

Date: Tuesday, 4th November 2025

Time: 10:00 for refreshments, for a 10:30 start

Venue: Jupiter Room, The Satellite Applications Catapult, Electron Building,
Fermi Avenue, Harwell, Oxford OX11 0QR

AGENDA

1. **Chairman's remarks:**
 - Welcome guests
 - Chairman's Notes – Chris Broad (10)
 - Apologies for absence and changes in membership
2. **Minutes of the 105th meeting**
3. **Matters arising**
4. **NRS Harwell Licensed Site Matters**
 - (a) Site Director's Report – Gary Reid (15)
5. **Reports**
 - (a) Nuclear Decommissioning Authority – Alastair Findlay (10)
 - (b) Office for Nuclear Regulation –Graham Simpson (10)
 - (c) Environment Agency – Sally Thompson (10)
6. **NRS corporate update** – James Craig (verbal only) (10)
7. **NRS site update** – Duncan Anderson (10)
8. **Campus Matters** (*TBC*)
9. **Any other business**
 - Harwell SSG Constitution
10. **Next Meeting – TBC**



HARWELL CHILTON CAMPUS LOCAL STAKEHOLDERS MEETING

Minutes of the 105th meeting held at The Satellite Applications Catapult Centre, Harwell on Thursday 24th April 2025

Date 24th April 2025
Chair Chris Broad, Chilton Parish Council
Deputy Chair John Sharp, East Hendred Parish Council

Secretary Bethany Sear, NRS, Communications lead
Minutes Jessica Peart, NRS

Attendees

Alistair Findlay – NDA	Alex White – EA
Andy Clayton – ARC	Gary Reid – NRS
Laura Street – NRS	Bethany Sear – NRS
James Craig – NRS	Dik Third – NRS
John Blackmore – NRS	Bill Hamilton – NRS
Stuart Clark – NRS	Paul Mann – Oxfordshire County Council
Kat Roarty – Diamond Light Source	Bethia Thomas – Vale of White Horse
Bill Hanks – Member of the public	Clive Hooker – West Berkshire Council
Graham Simpson – ONR	John Wilkins – Member of the public
Louise Aitken – Harwell Campus	Mike Fox-Davies – Harwell Parish Council
Sally Thompson – EA	Rebecca Cleverley – EA
Charlotte Cottingham – Didcot Garden Town	
Chris Williamson – MRC Harwell	
Natalia Novokhatska – Member of the public	

1. Chairmans Remarks

- Chris Broad chaired and opened the 105th SSG.
- Welcomed Bethany Sear as the new Communications and Socio-economic Lead for NRS, Harwell & Winfrith, replacing Emma Burwood who has moved onto a new role.
- NDA NGO forum held in Cumbria on April 7th & 8th.

2. Minutes of the 104th Meeting

- Minutes from the previous meeting were accepted.
- Typo 'Hawks' to be corrected to Hanks.

3. Matters arising

None



4. NRS Harwell Licensed Site Matters

a) Site Directors Report - Gary Reid

Gary Reid gave a presentation, updating the SSG on NRS achievements for 24/25, and plans for the upcoming financial year.

- Dounreay become part of NRS last year. Some EDF AGR sites are also integrating into NRS.
- Organisation being split into 3 managing director units.

Achievements 2024/25

- Demolition of B401.8. This building originally housed the UK's first experimental reactor.
- ILW Retrievals/Shipments – Targets met for the year.
- West Meashill Delicensing work completed, which is key for land release at Harwell.
- B220 Cell Characterisation completed.

2025/26

- Nuclear Materials Transfer to continue shipping.
- Remote Handled Intermediate Level Waste retrievals and Drum grouting operations to continue.
- B418 Decommissioning work to start.
- Delicensing work continues at West Meashill, LETP and Atlas North.
- B220 Characterisation work paused. Gary Reid proposed given a more detailed presentation on B220 at the next SSG.

Questions

Q1. Mentioned Nuclear Materials Transport is nearing completion date. What happens once this completes? Are there any subsequent security implications?

A1. There is a related security project happening. The plan will to be eventually reduce the presence of CNC on site, which costs roughly £9.5 million a year.

Q2. Mentioned further work is ongoing with Groundwater Remediation – what is this further work?

A2. NRS is working with WSP to do risk assessments in line with the Environment Agency Framework. Also looking at what work would follow if the Groundwater Plant were shut down.

5. Reports

a) Nuclear Decommissioning Authority - Alistair Findlay

Alistair Findlay attended the meeting and provided a summary of the NDA's report submitted.

- 2025/26 funding has been challenging.
- Strategy 5 conversations due to begin next month. This will be the first strategy under the new operating module.



- Business Planning held.
- NDA 20th anniversary.

b) Office for Nuclear Regulation - Graham Simpson

Graham Simpson ONR Inspector for Harwell attended the meeting and provided some opening comments.

- LC26 Control of work, and CDM regulations Inspection of B220, compliance inspections have been carried out. Both were given a green adequate rating.
- Emergency Arrangements exercise held in September; this was deemed inadequate. ONR continue to monitor NRS' improvement and corrective actions. A redemonstration exercise will be taking place on May 14th.

Q1. Previous ONR inspectors held meetings with the TU reps; will these be reinstated?

A1. Graham advised these should not have stopped and will be looking to have quarterly catchups.

Q2. Why was the Emergency Arrangements Exercise deemed inadequate?

A2. Gary Reid advised this was due to getting first aid support to a casualty in a timely manner. Although staff had been identified to support the casualty, there was an assumption CNC was responding, which was not accurate.

c) Environment Agency - Rebecca Cleverley

The EA submitted their environmental report covering the period of November 2024 to April 2025. Rebecca Cleverley (lead regulator) attended the meeting and provided some opening comments.

- Sally Thompson will be taking over as the EA Lead Regulator for the Harwell Site.
- Rebecca Cleverley will be transferring to become Lead Regulator at the Winfrith Site.
- Alex White joined the EA as Environment Agency Nuclear Graduate and will be transferring to NRS in the coming months.
- EA inspection of HAW (Higher Active Waste) arrangements was carried out last week. No non-conformances to note.
- Continuing to discuss the West Meashill Delicensing project with NRS.
- Continuing to discuss LETP Delicensing.
- Partial permit surrender for West Meashill will be a large focus this coming year.

6. NRS Corporate Update - Bill Hamilton

Bill Hamilton NRS External Affairs Director attended the meeting.

- Internal restructuring at senior level, makes it clear each site director is reporting to a managing director.
- An update on the 2025/26 spending review given.



7. **NRS site update - Harwell Land Release - Laura Street (NRS)**

Laura Street, Harwell's Site Manager, gave an overview of Harwell's Land Release strategy.

- The vision at Harwell will see the entire site eventually being handed over to the Joint Venture for further development. This will create thousands of future jobs, both in the construction industry, and science community.
- The land occupied at Harwell is still owned by the UKAEA, who themselves have a joint venture to develop the land into a science campus.

There are different steps that need to be undertaken to enable land release:

- Decommissioning what is remaining on site.
- De-licence/De-Permit – build a justification that the land has been left in a state of no danger.
- De-designate.
- Land Release.

Land Release Plots being Progressed:

- West Meashill – planned release date March 2027
- LETP – Planned release date June 2027
- 540/551 – Planned release date June 2028
- B418 – Planned release date April 2031
(Subject to uncertainty associated with characterisation/ decommissioning, and assuming similar levels of funding are provided)

Potential Plots for Land Release

- Atlas North
- Meashill Plantation
- B459 and 351

Q1. When decontaminating areas, when is it decided that there is no contamination or radiation left?

A1. The ONR and EA have a set of criteria that must be met. These are very low levels, and very low risk levels.

Q2. How would the Meashill plantation be handled from an ecological perspective?

A2. Looking at biodiversity net gains and working closely with JV to preserve areas.

8. **Campus Matters**

a) **Harwell Campus Joint Venture Partnership – Andy Clayton**

- Andy Clayton advised a Joint Venture update will be provided at the next meeting with support from Laura Street.

b) **Science and Technology Facilities Council – Joe Kelleher (not in attendance)**

Update to be provided at next meeting.



c) Diamond Light Source - Kat Roarty

- Kat Roarty attended the meeting and provided an update on what has been happening at Diamond Light Source since the last meeting.

9. Any Other Business

Nothing to report.

10. Next Meeting - TBC



NDA Update for Harwell

October 2025



Contents

1.0 NDA Stakeholder Update September 2025



NDA Stakeholder Update

Please find below a brief update on main points of interest since the last meeting.

Government Update

The Government Spending Review process informs decisions on public spending. NDA group funding is made up of the funding we receive from Government and the income we generate. We have already communicated on NDA group funding for 2025/26 which at just over £4bn includes increased Government funding, demonstrating significant public investment in our nuclear sites and facilities though this will not be without challenges.

We have now been advised of our allocation for 2026/27 through to 2029/30 from our Government sponsoring department, the Department for Energy Security and Net Zero (DESNZ). This gives the NDA long term visibility of our Government funding to the end of the decade.

Despite funding challenges, we're focused on our nationally important mission to ensure the safe and efficient decommissioning of the UK's nuclear legacy, with much to deliver, including a Geological Disposal Facility (GDF), which remains government's policy for the long-term storage solution for the most hazardous radioactive waste. Additionally, we are preparing for the transition of the Advanced Gas-Cooled Reactors (AGR) into our group for decommissioning, thereby expanding our responsibilities and scope. Our role in new nuclear initiatives remains important, highlighting our part in supporting the UK's energy security and sustainability goals.

Outreach activities

David Peattie, NDA Group CEO, Clive Nixon, Group Chief Nuclear Strategy Officer, and Holly Cresswell, International Relations Manager, represented the NDA at the recent UK-France Civil Nuclear Seminar. The event brought together senior figures to explore future collaboration between the UK and France in civil nuclear with panel sessions considering:

- Building a Workforce for the Future
- Ensuring a Responsible Nuclear Legacy
- Preparing for European Ambitions: Advanced Modular Reactors and Research

A key discussion point included the critical role of international collaboration in delivering our mission, particularly in tackling shared challenges in decommissioning, dismantling, and waste management. Whilst a key takeaway was the value of our partnerships—especially the knowledge exchange through Nuclear Waste Services (NWS) on radioactive waste and geological disposal. These relationships help us



strengthen our technical capabilities and deliver more effectively for the UK public.

We also reaffirmed our long-standing cooperation with the French Alternative Energies and Atomic Energy Commission (CEA), agreeing to deepen collaboration on decommissioning and waste management—areas central to our work.

The nuclear industry has marked three significant anniversaries as His Majesty the King met with members of the Nuclear Decommissioning Authority (NDA) group in Caithness Scotland, during his annual visit to the region. The visit recognised the NDA group's progress in its national mission to safely decommission the UK's earliest nuclear sites, and its long-standing contribution to sustainability and economic development in the region and across the UK.

The visit coincided with the NDA group marking several significant milestones including the 20th anniversary of the NDA and 70 years for NRS Dounreay, which has been an enduring presence at the heart of the Caithness community. This year also marks 50 years for Pacific Nuclear Transport Ltd (PNTL). Founded in 1975, PNTL is the world's leading maritime nuclear transporter and part of NDA subsidiary, Nuclear Transport Solutions (NTS). The King also viewed the Pacific Heron, part of the PNTL fleet of ships designed to safely transport nuclear materials around the globe.

Engagement priorities for 2025

As you are aware, the consultation on the NDA draft **Strategy 5** was launched on 7 August and closed on 29 September. Our strategy document is published every 5 years and describes our high-level approach to delivering our mission. Within that, we identify several critical enablers essential to the successful delivery of our mission including public and stakeholder engagement. Now the consultation has concluded we are analysing comments with the final document expected to be published in March 2026.

Publications, public service and policy updates

The NDA Annual Report and Accounts 2024/25 sets out the progress we're making against our mission, from safely decommissioning existing sites to preparing to take responsibility for more, while managing radioactive waste for our existing programme and new nuclear.

As we mark our 20th anniversary, this year's report reflects a strong year of delivery across the NDA group with continued progress on our mission: safely decommissioning our sites, managing radioactive waste, and preparing to take on new responsibilities.



Key highlights from the last 12 months include:

- Sellafield is now removing waste from all four legacy ponds and silos; a major milestone in hazard reduction.
- Nuclear Waste Services is progressing with final capping at the LLW Repository.
- Visible skyline changes across the estate, including the demolition of Sizewell A's turbine hall.
- Ongoing work to identify a suitable site and community for a Geological Disposal Facility.
- Innovation in action: sail trials for NTS ships and autonomous security systems at Winfrith.
- Preparations continue for the transfer of the AGR fleet and potential decommissioning of the Vulcan site.

Additionally, we've seen improvements in safety, environmental performance, and cyber security, supported by the opening of a new cyber facility to boost collaboration.

2024/25 also saw another year of significant investment in our people and communities. We had a record early careers intake in 2025 with over 420 apprentices and 300 graduates. As well as that, we saw continued support for skills, schools, and supply chain development - part of our £49m annual investment. And finally, we saw the continued ongoing delivery of our Inclusion Strategy, with real progress on equality, diversity, and inclusion.

Read the report here: [Nuclear Decommissioning Authority: Annual Report and Accounts 2024 to 2025 - GOV.UK](#)

Thank you for taking the time to read our update. If you have any questions, please feed-back through the Secretariat or raise with the NDA official at the SSG meeting.



Nuclear
Decommissioning
Authority

ONR site report

Nuclear Restoration Services Ltd – Harwell

ONR site report

Nuclear Restoration Services Ltd - Harwell

Report for period: 1 January – 30 June 2025

Authored by: Nominated Site Inspector

Approved by: Deputy Delivery Lead, DFW Subdivision

Issue: 1

Published: October 2025

Record reference: 2025/35178

Foreword

This report is issued as part of our commitment to make information about inspection and regulatory activities relating to the above site available to the public. Reports are distributed to members for the Harwell Site Stakeholder Group and are also available on our website: www.onr.org.uk/publications/regulatory-reports/site-specific-reports/lcsg-reports.

Our site inspectors usually attend Harwell Site Stakeholder Group meetings where these reports are presented and will respond to any questions raised there. Any person wishing to inquire about matters covered by this report should contact us via email at contact@onr.gov.uk.

Contents

1.

Inspections

4

2.

Routine matters

4

3.

Non-routine matters.....

6

4.

Regulatory activity

7

5.

News from ONR

8

6.

Contacts

8

1. Inspections

1.1. Date(s) of inspection

Our site inspector made inspections on the following dates during the report period 1 January to 30 June 2025:

- 10 March 2025
- 1 April 2025
- 24 April 2025
- 14-15 May 2025

2. Routine matters

2.1. Inspections

Inspections are undertaken as part of the process for monitoring compliance with:

- The conditions attached by ONR to the nuclear site licence granted under the Nuclear Installations Act 1965 (NIA65) (as amended);
- The Energy Act 2013;
- The Health and Safety at Work etc Act 1974 (HSWA74); and
- Regulations made under HSWA74, for example, the Ionising Radiations Regulations 2017 (IRR17) and the Management of Health and Safety at Work Regulations 1999 (MHSWR99).

The inspections entail monitoring the licensee's actions on the site in relation to incidents, operations, maintenance, projects, modifications, safety case changes and any other matters that may affect safety. The licensee is required to make and implement adequate arrangements under the conditions attached to the licence in order to ensure legal compliance. Inspections seek to judge both the adequacy of these arrangements and their implementation.

In this period, routine inspections of Nuclear Restoration Services Ltd Harwell covered:

- Emergency preparedness

Members of the public who would like further information on our inspection activities during the reporting period can view site inspection records on our website:

www.onr.org.uk/publications/regulatory-reports/site-specific-reports/inspection-records.

Should you have any queries regarding our inspection activities, please email contact@onr.gov.uk.

2.2. Other work

Throughout this reporting period, our nominated site safety inspector held regular meetings with the leadership team at Nuclear Restoration Services Ltd Harwell to maintain situational awareness of matters related to nuclear safety. No significant issues were highlighted by us.

3. Non-routine matters

Licensees are required to have arrangements to respond to non-routine matters and events. Our inspectors judge the adequacy of the licensee's response, including actions taken to implement any necessary improvements.

There were no such matters or events of significance during the period.

4. Regulatory activity

We may issue formal documents to ensure compliance with regulatory requirements. Under nuclear site licence conditions, we issue regulatory documents, which either permit an activity or require some form of action to be taken. These are usually collectively termed licence instruments but can take other forms. In addition, inspectors may take a range of enforcement actions, to include issuing an enforcement notice.

- No licence instruments, enforcement notices or enforcement letters were issued during this period.

Reports detailing the above regulatory decisions can be found on our website: www.onr.org.uk/publications/regulatory-reports/site-specific-reports/project-assessment-reports.

5. News from ONR

For the latest updates and information on our work, please subscribe to our regular email newsletter, ONR News, at www.onr.org.uk/news/newsletter.

6. Contacts

Office for Nuclear Regulation
Redgrave Court
Merton Road
Bootle
Merseyside
L20 7HS
Website: www.onr.org.uk
Email: contact@onr.gov.uk

This document is issued by ONR. For further information about us, or to report inconsistencies or inaccuracies in this publication, please email contact@onr.gov.uk.

If you wish to reuse this information, please visit www.onr.org.uk/access-to-information/copyright for details.

For published documents, the electronic copy on our website remains the most current publicly available version and copying or printing renders this document uncontrolled.

Environment Agency report

Harwell Site Stakeholder Group

November 2025

This report covers the Environment Agency's regulation of the Harwell Nuclear Licensed Site and related issues for the period between April 2025 and November 2025.

Radioactive substances regulation

We regulate radioactive waste disposals to the environment. We do this through environmental permits that contain limits and conditions aimed at minimising wastes and protecting people and the environment. We check compliance with the permits through routine interaction with the operator, and by making regular inspections at Harwell.

Working with colleagues across the Environment Agency, we also regulate and control other activities through our environmental permits, including surface and groundwater discharges. Through our corporate objectives, aims and general duties, we also provide advice and guidance to protect or enhance the wider environment and support sustainable development.

We record our regulatory compliance interactions in Radioactive Substances Compliance Assessment Reports (RASCARs). These summarise the type of work we have undertaken, describe any non-compliance or observations of good practice, and include actions or recommendations from our findings. They are public register records and can be provided on request. Please see the 'further information' section at the end of this document to find out how to request public register records.

Permitting

NRS holds two radioactive substances activity permits under the Environmental Permitting Regulations (EPR) at the Harwell site: one covers the nuclear licensed site (PB3598DX, the 'nuclear' EPR permit); the second covers smaller areas outside the nuclear licensed site boundary (PB3198DJ, the 'non-nuclear' EPR permit).

There have been no changes to either permit since the last SSG meeting. We are currently providing regulatory advice and guidance to support NRS's plans to apply for partial surrender of its permit (PB3598DX) in the West Meashill area and at the Liquid Effluent Treatment Plant.

We have recently updated our permit surrender application template to reflect our guidance on releasing land from radioactive substances regulation. The application process requires submission of evidence against defined themes (referred to as requirements), including site condition, environmental monitoring, and dose assessments. Our guidance is presented in our document called [Guidance for requirements for release from radioactive substances regulation](#).

NRS Harwell, along with one other operator, are the first to follow this new surrender release approach. We acknowledge NRS's constructive engagement in preparing the necessary documentation.

We currently expect to receive the partial surrender application for West Meashill in November 2025.

Compliance activities

We check compliance with the permits through regular contact with the operator, site meetings, and by making regular inspections at Harwell. We issue RASCARs to summarise inspections, including any identified non-compliances, actions, recommendations and observations of good practice.

We receive and assess a range of monthly reports from the site. We maintain regular dialogue with the operator to ensure we are kept in touch with any emerging issues at Harwell and with progress on actions.

We hold weekly meetings with the Environment Manager and team to ensure we are aware of progress on decommissioning, actions and recommendations and any emerging issues at the site. The NRS Internal Assessor frequently joins our meetings. We also receive regular updates from project leads at the site.

We have carried out two inspections since the last SSG meeting.

In April 2025, we carried out an inspection of NRS's arrangements for managing Higher Activity Waste (HAW). A further inspection was undertaken in late September 2025, focusing on the Environmental Monitoring Programme and associated sampling activities. Prior to both inspections, the site provided relevant documentation, enabling us to consider the arrangements in place and consider compliance with the conditions of the environmental permit during the inspections.

During the April 2025 inspection of Higher Activity Waste arrangements, we did not identify any non-conformances however we provided some advice and guidance in relation to good practice to improve record keeping. We also recommended that NRS should consider reconnecting with other sites operating similar storage facilities, such as tube stores, to continue sharing knowledge and learning from experience.

We also carried out an inspection of the Environmental Monitoring Programme and are in the process of finalising our inspection report. NRS has indicated its intention to revise elements of the environmental monitoring programme, with some updates already underway. We believe it would be timely to review and update the environmental monitoring programme to reflect both the current site layout and its anticipated future development, and to ensure that monitoring methods are consistent with Best Available Techniques (BAT). We will track NRS's progress on the actions we include in our inspection report (RASCAR).

Environmental impact

The site environmental permit requires NRS to monitor and assess the impact of discharges on the environment. The results of NRS's environmental monitoring programme (EMP) indicate that the environmental impact from permitted discharges remains low. NRS's results continue to be consistent with our independent programme, and do not indicate any results of concern or significant change from previous years.

In April 2025, we overviewed the independent environmental monitoring conducted around nuclear sites by the Environment Agencies and the Food Standards Agency. These

customer service line **03708 506 506**

floodline **03459 88 11 88**

incident hotline **0800 80 70 60**

Page 2 of 4

programmes play a vital role in supporting our regulatory responsibilities and in assuring the public that radiation exposure levels remain within legal limits. The findings are published annually in the Radioactivity in Food and the Environment (RIFE) report. We anticipate presenting the results from the next RIFE report - expected in November 2025 - at the next SGG meeting. Information on the RIFE reports can be found at the link below.

[Radioactivity in food and the environment \(RIFE\) reports - GOV.UK \(www.gov.uk\)](https://www.gov.uk/rife-reports)

Discharge reports

The site's environmental permit requires NRS to use the best available techniques (BAT) to produce the minimum amount of radioactive waste and minimise permitted disposals into the environment. Disposal of wastes – as solids, liquid or gases can only be made via permitted routes or to permitted sites. The site is required to report liquid and gaseous discharges to the environment to us on a regular basis. We examine these reports and produce RASCARs for them. Copies of the discharge reports and the RASCARs are made publicly available. See the 'further information' section at the end of this document to find out how to request them.

Both liquid and gaseous discharges from Harwell continue to be at levels well within permitted limits. It is noted that the relative level of these discharges may fluctuate as the decommissioning programme evolves.

Incidents and enforcement

There have been no incidents or events leading to enforcement action at Harwell in the period since the last SSG meeting.

Further information

A public register service is available on the GOV.UK website at <https://environment.data.gov.uk/public-register/view/index>

You can also request access to public documents by contacting the Customers and Engagement Team in the Wallingford office. Please email WTenquiries@environment-agency.gov.uk

Further information on our role in regulating the use of radioactive substances and related activities on nuclear licensed sites can be found on the Environment Agency pages of the Gov.UK website at <https://www.gov.uk/government/publications/nuclear-regulation-in-the-environment-agency>

Our enforcement and sanctions policy is available on the GOV.UK website at <https://www.gov.uk/government/publications/environment-agency-enforcement-and-sanctions-policy/environment-agency-enforcement-and-sanctions-policy>

The UK Health Security Agency has placed guidance on ionising radiation dose comparisons on the GOV.UK website at <https://www.gov.uk/government/publications/ionising-radiation-dose-comparisons>

All our open consultations will appear on this webpage [Nuclear consultations - Environment Agency - Citizen Space \(environment-agency.gov.uk\)](https://www.environment-agency.gov.uk/citizen-space)

Follow our Environment Agency Linked in page for news and information about regulating radioactive substances <https://www.linkedin.com/showcase/regulating-radioactive-substances>

The Environment Agency's lead nuclear regulator for the Harwell site is Sally Thompson. Sally is part of the national Nuclear Regulation Group (South) (NRG (South)) which is based at the Environment Agency's Wallingford office in Oxfordshire.

NRG (South) undertakes environmental regulation of radioactive substances on nuclear licensed sites in southern England. It works closely with the local Environment Agency teams in those areas as well as external bodies such as the Office for Nuclear Regulation.

Members of the local Environment Agency team cover the site for general (non-radioactive substances) environment protection matters such as regulation of groundwater, contaminated land, waste management and water abstraction.

Address: Environment Agency, Red Kite House, Howbery Park, Wallingford, Oxfordshire, OX10 8BD

Email: nrg@environment-agency.gov.uk

Liquid Effluent Treatment Plant (LETP) Land Remediation Update

November 2025

Duncan Anderson, Delicensing Delivery Lead



04/11/25

History / Timeline

- From 1948 until 2013, the LETP operated to treat effluent from the main nuclear site.
- The Sewage Farm was used primarily for foul sewage treatment, until 2003 when site was connected to Thames Water's sewer
- Discharges to the Thames ceased in 2013, effluent treatment ceased in 2014
- Decommissioning of above ground structures took place from 2013 to 2018
- Remediation of contaminated structures and soils carried out between 2018 & 2024 to allow removal of Environmental Permits (LETP and Sewage Farm) and Nuclear Site Licence (LETP)
- Land will return to the control of the landowner, UKAEA, after de-designation



Main Remediation (2018-2021)

- Remediation of contaminated structures and soils to allow removal of Environmental Permits (LETP and Sewage Farm) and Nuclear Site Licence (LETP)
- Over 90% of the non-radioactive waste was reused or recycled
- Extensive validation of the residual ground carried out by the Remediation Contractor using multiple survey methods
- Independent validation of the residual ground carried out by supply chain consultant not involved with the remediation. Multiple survey techniques used and 697 samples collected for laboratory analysis.
- As expected minor anomalies with localised residual contamination were identified in the validation.



Minor Remediation (2024)

- Localised removal of minor anomalies identified in main remediation validation and some residual structures at the site boundary
- Remaining drainage at / close to the boundary at 3 locations was removed - Old Main Active Drain (OMAD) in the south-west, Offsite Discharge Pipe (ODP) in the north and a Trade Waste Overflow in the north-east
- Localised ground with marginally elevated levels of artificial radionuclides was removed (36 'dig areas' – most on LETP, 4 on Icknield Way)
- Total of 368 ~1m³ bags soil / pipe removed, with excavation of ODP contributing 175 bags. Between 1 and 19 bags removed from each of the remaining locations
- Each location was validated by the Contractor using different survey methods and collecting validation samples for analysis.



LETP & Sewage Farm Residual Ground

- Database compiled with all validation data representative of remaining ground at the LETP (lab analysis for 698 samples). This data has been shared with regulators ahead of the reinstatement.
- Characterisation of the Sewage Farm was carried out in 2022-2023 after the LETP main remediation. This data has been shared with the regulators and used to inform an independent assessment of the suitability of material for reuse in the LETP reinstatement.
- The Sewage Farm data has been used to inform the Materials Management Plan for the sustainable reuse of arisings from lagoon construction (in compliance with the requirements of the regulator endorsed Definition of Waste Code of Practice, a voluntary framework that promotes the sustainable and secure use of excavated and source segregated materials in development projects).



SUDS Lagoon and LETP Reinstatement

- Sustainable Urban Drainage System (SUDS) Lagoon to be constructed on the Sewage Farm
- The SUDS lagoon will improve management of potential pollutants (e.g. diesel) in the surface water drainage system
- Suitable material (e.g. soil and sediment) from the Sewage Farm to be re-used to restore LETP to safe levels
- Project has commenced and will continue through the remainder of 2025 subject to weather conditions
- Bridleway to be opened once SUDS and Reinstatement completed, date to be confirmed



- SUDS design features from drwg 8190147-1001, Rev C**
General Arrangement provided by Glanville, March 2020

 - Current Buildings/Structures
 - Planting margin (107.8mAOD)
 - LETP Fenced Area
 - LETP Reinstatement
 - Proposed Contours (50cm)
 - 116.5mAOD
 - 109.2mAOD
 - Water Level (108mAOD)
 - Water
 - Forebay bed level (107mAOD)
 - Pond bed level (108mAOD)
 - Berm top (107.85mAOD)
 - Clay Berm
 - Maintenance access strip (~108.2mAOD)
 - SUDS Area
 - Sewage Farm Fenced Area
 - Fence (LETP topo Nov 2021)
 - LETP topo (Nov 2021)
 - Trees and Canopy
 - Vegetation General
 - Fences and Gates
 - Roads and Car Parks
 - Tracks and Footpaths

Proposed LETP reinstatmt derived from LETP REGRADE CONTOURS AT FL 0.1M drwg.

Reinstatement Area Proposed regrade

Topo survey Nov 2021 Provided by CLW

SUDS Features:

 - Pond bed
 - Forebay bed
 - Clay berm
 - Maintenance access track
 - SUDS Area
 - Icknield Way Public Footpath To be reinstated
 - Existing Haul Road To be retained
 - Reinstatement Area Proposed regrade

Scale: 0 25 50 Metres

Magnox THIS DRAWING IS THE PROPERTY OF MAGNOX AND MAY NOT BE USED WITHOUT WRITTEN CONSENT OF MAGNOX BE COPIED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS SUPPLIED	Drawn By T Roworth	TITLE Proposed LETP Reinstatement & SUDS Pond with proposed LETP regrade contours
	Checked By J Blackmore	DATE 11/07/2022
	Approved By J Blackmore	ISSUE 1
	DATE 11/07/2022	DWG No. HDRDIGIS/220051

Sheet 1 of 1

What to expect from us next

- Completion of LETP reinstatement and construction of attenuation lagoon on Sewage Farm – hopefully by Christmas but subject to weather.
- Preparation of Delicensing Case for the LETP for submission to the ONR in 2026. This will include submission of the extensive validation database for remaining ground, demonstrating the required levels for delicensing ('no danger' levels).
- Preparation of Permit Surrender Application for the LETP for submission to the EA in 2026. This will include submission of the extensive validation database for remaining ground, demonstrating the required levels for permit surrender (Out of Scope of Radioactive Substances Regulation).
- Preparation of Permit Surrender Application for the Sewage Farm for submission to the EA in 2026. This will include submission of the extensive characterisation database for remaining ground, demonstrating the required levels for permit surrender (Out of Scope of Radioactive Substances Regulation).