



Performance Report to DSG Site Restoration Sub Group – April 2023

For the period January – March 2023

PERFORMANCE SUMMARY FY 2022/23

Description	Threshold	On Target	Stretch
Installation of the water vapour nitrogen (WVN) system to enable passivation of the reactor vessel at PFR			✓
Dounreay cementation plant store extension: start the inactive commissioning of higher-activity waste drum store		✓	
Restart defueling of DFR to enable dry storage of remaining inventory		✓	
Phases 1, 2 and part of 3 of natural and depleted uranium material shipped to receiving site			✓
De-risking non-active drains optimisation projects construction phase			✓
Board approval in principle of the programme business case for the lifetime plan			✓

OFFICIAL

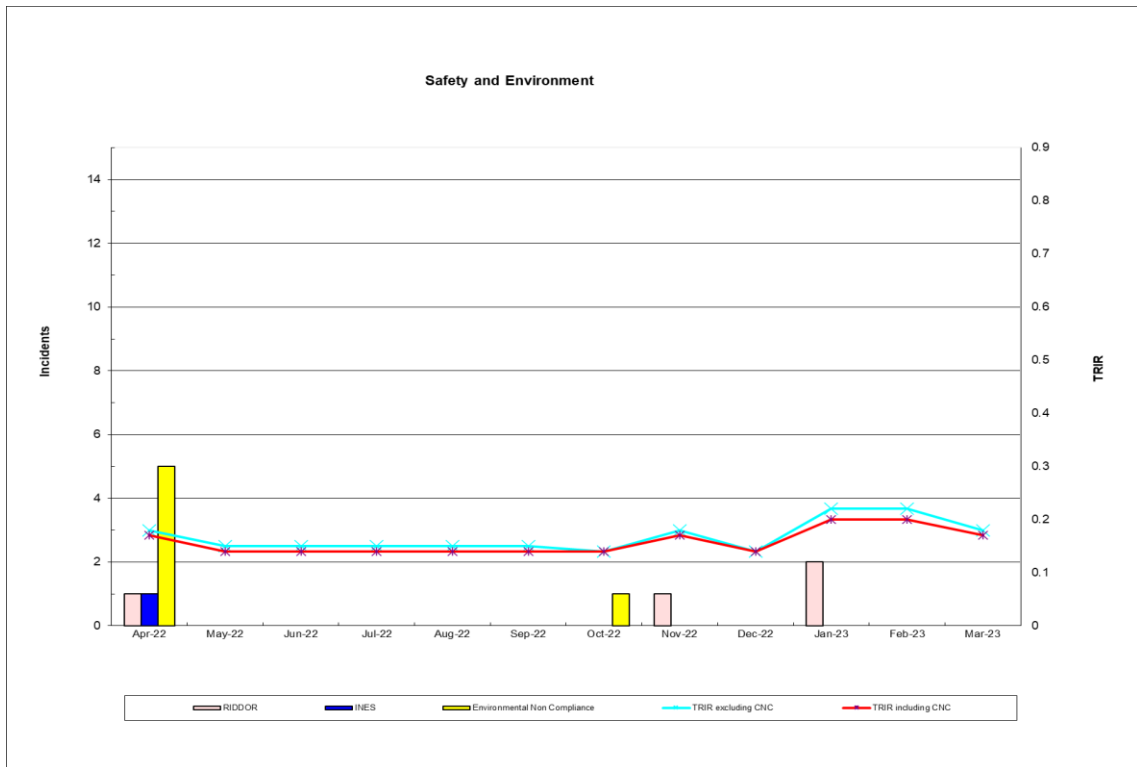
Implementation of Waste Informed Decommissioning Delivery Dashboard		✓	
Asset management implementation plan		✓	
CE Sustainability Carbon Reduction		✓	
Fit for Future milestones	✓		

NB These are provisional out-turns and subject to audit confirmation.

Highlights this period:

- Completion of all targets to threshold level or better
- Contract awarded for manufacturing of cans and other equipment for dry storage of breeder elements
- Successful pilot of technology to create real-time data feed and trends from FCA north stack
- Top plate and leader container waste from fuel element storage building sent for recycling
- Successful commissioning and commencement of operations to remove residual HEU liquor from redundant fuel facility for disposal as waste in Fuel Cycle Area
- 27 out of 46 neutron absorbers decommissioned at PFR irradiated fuel cells
- Collaboration with the University of Nottingham, through the Game Changers programme, on a series of off-site trials with a snake-like robot, leading to on-site trials in D1200 laboratories later this year.
- Repair work completed on the DFR stack lightning protection rod, one of the highest points on site at 52 metres.

HEALTH, SAFETY, ENVIRONMENT AND SECURITY



- The site’s TRIR is now 0.18 following two RIDDOR reportable events in the CNC and Guard Force involving falls on ice. We reviewed our gritting approach and have also encouraged individuals to remain on gritted paths.
- ONR raised significant concerns regarding aged electrical assets including live switching of specific types of equipment and the condition of some transformers. An Enforcement Letter relating to the Electricity and Work Regulations and Health and Safety at Work Act has been received and the response plan is being developed.
- SEPA has withdrawn Regulatory Notice 02 following review and confirmation of the evidence provided in December 2022. This returns the issue to business as usual and there are currently no Regulatory Notices in force. SEPA also reviewed the evidence and confirmed that 4 permit non-compliances have been closed.
- Dounreay received a new nuclear site licence, environmental permits and approvals along with a number of other permissions to reflect the change of company to Magnox Limited. The new permits are supported by the existing management system, with a small number of changes to reflect the amended company board arrangements. The control of activities on the Dounreay site remains within the existing arrangements for compliance.

ONSHORE MONITORING OF RADIOACTIVE PARTICLES

No particles were detected during Jan-Mar 2023.

ONSHORE MONITORING FOR PARTICLES: CUMULATIVE TOTALS				
Location	Minor	Relevant	Significant	Notes
Dounreay foreshore	33	113	217	
Sandside	261	37	0	
Murkle	3	0	0	
Strathy	0	0	0	

FORWARD PLANS AND IMPROVEMENTS

- The Nuclear Decommissioning Authority published its draft business plan for 2023-26 for consultation. The draft plan includes key priorities for Dounreay during this period.
- Our near-term work plan, setting out the key activities for the next 12 months, was agreed.
- Our new Lifetime Plan, setting out the activities and their sequencing needed to reach the site interim end-state, completed its internal governance approvals, prior to submission to the NDA for formal adoption. Delivery of the LTP is scheduled to begin April 2024.

OUR PROGRAMMATIC CHANGE

- Fit for Future, which aims to transform our structure, people, systems and process workstreams to create a new programmes-led organisation, appointed PA Consulting to provide specialist support and the delivery of a fifth workstream – change and transition.
- Megan Watson appointed Head of Profession – Waste, the first in a series of heads of profession appointments designed to support delivery of the new programmes from April 2024.
- Recruitment of programme director for balance of site activities underway.
- A new electronic document records management system went live as part of our improvements to systems and process. It will take several months to complete the transition of records.

CORPORATE

- Preparations complete for joining of Dounreay and Magnox on 1 April
- Parliamentary accountability for Dounreay moved from the Department of Business, Energy and Industrial Strategy to the new Department for Energy Security and Net Zero lead by Grant Schapps.
- We reviewed our internal communications and launched a new suite of publications to improve communication with staff on a weekly, monthly and quarterly frequency.
- The response rate among Dounreay staff to the annual NDA engagement survey exceeded 92%.

PEOPLE

- Our latest group of health physics surveyor trainee completed their 2-year training programme, and the latest intake started theirs. Two are employed by Nuvia and 6 by DSRL. They now complete a 2-year training scheme to become fully qualified surveyors
- Our 2020 graduate cohort successfully completed their 2-year graduate programme. Mark Rouse presented them with their certificate of completion.
- The Nuclear Decommissioning Authority group showcased in Parliament its contribution to the UK, including skills, community investment and career opportunities, as part of the Nuclear Industry Association's Nuclear Week at Westminster. Dounreay's Neave and Ian attended