



Performance Report to DSG Site Restoration Sub Group – July 2023  
 For the period April - June 2023

**PERFORMANCE SUMMARY FY 2023/24**

Description	Threshold	On Target	Stretch
7 key delivery targets <ul style="list-style-type: none"> <li>- Dounreay Cementation Plant electricals</li> <li>- Fuel facility cell 2</li> <li>- LLW vault grouting</li> <li>- Waste facility AFC chamber</li> <li>- Fuel facility sampling</li> <li>- Grout plant commissioning</li> <li>- Fuel facility outer wall blocks</li> </ul>			
Operational Metrics <ul style="list-style-type: none"> <li>- Bagged waste</li> <li>- LLW half-height ISO containers to vaults</li> <li>- Breeder fuel removal</li> <li>- De-risking shaft and silo advanced transition work</li> </ul>			
Shaft and silo <ul style="list-style-type: none"> <li>- Removal of overbuilding</li> <li>- Major project enabling work</li> <li>- Advanced transition work</li> </ul>			
Asset management improvements			
Lifetime Plan – readiness for implementation on 1 April 2024			
Key regulatory commitments <ul style="list-style-type: none"> <li>- Radioactive substances permit</li> <li>- PFR sodium tank farm</li> <li>- Non-active drains optimisation</li> </ul>			

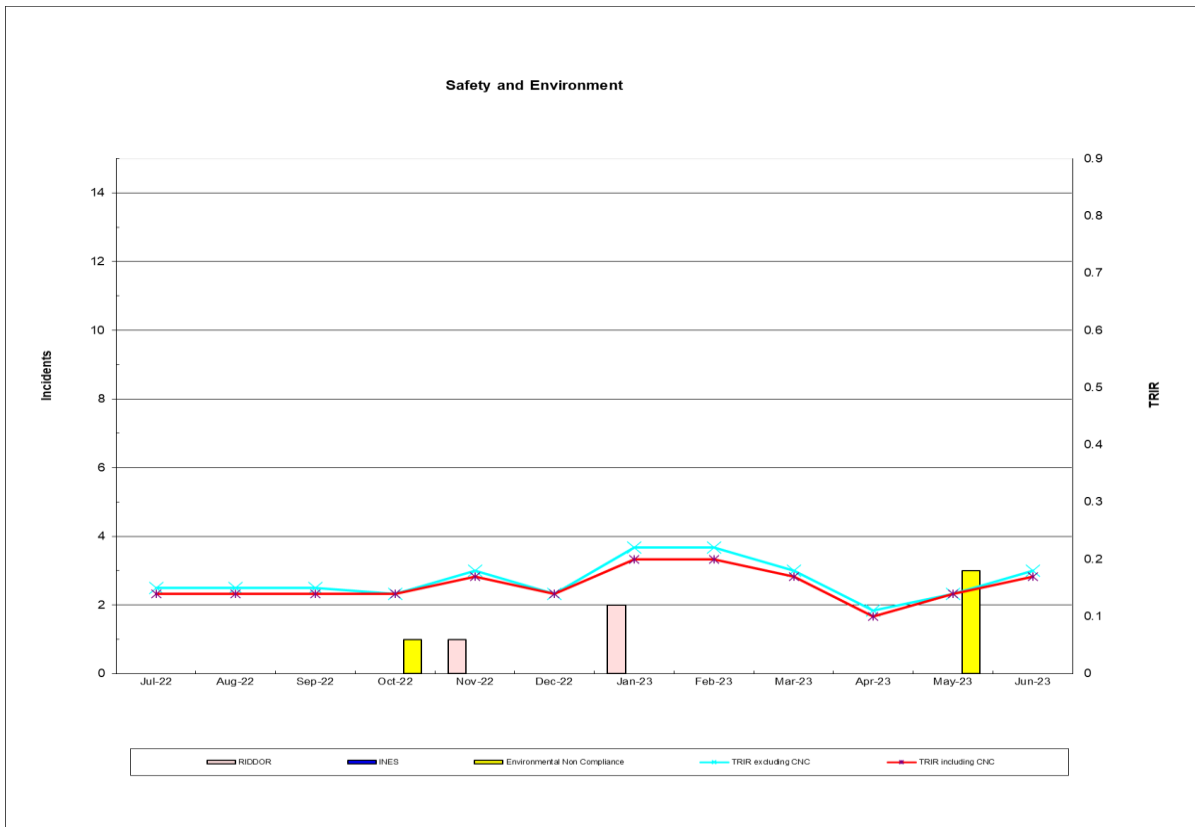
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Transition to a programmatic delivery organisation (Fit for Future)			
Culture Programme – nurturing and growing great places to work			
Social value – sustainability measures Social Value – procurement and supply chain			

### Highlights

- Good progress is being made to upgrade the ventilation system of the Fuel Cycle Area. This infrastructure is essential to support future decommissioning work.
- Sixteen tonnes of metal, comprising the fuel element storage block top plate and capping flask, from the Dounreay Materials Test Reactor were transported to a specialist recycling facility in Cumbria.
- Two solvent separator tanks, weighing a combined 20 tonnes, were sent to a specialist landfill site in England. They had been in storage since their removal from a plant in the 1990s.
- As a result of hazard reduction work in the Fuel Cycle Area, the security status of three facilities was reduced.
- Hazard reduction work continued to the site's former effluent facilities, including the cutting up and disposal of large valves and pipes.
- Removal continues of 72 concrete blocks from the diamond-wire cutting of the cell walls in the Post-Irradiation Examination facility where fuel was inspected.

HEALTH, SAFETY, ENVIRONMENT AND SECURITY

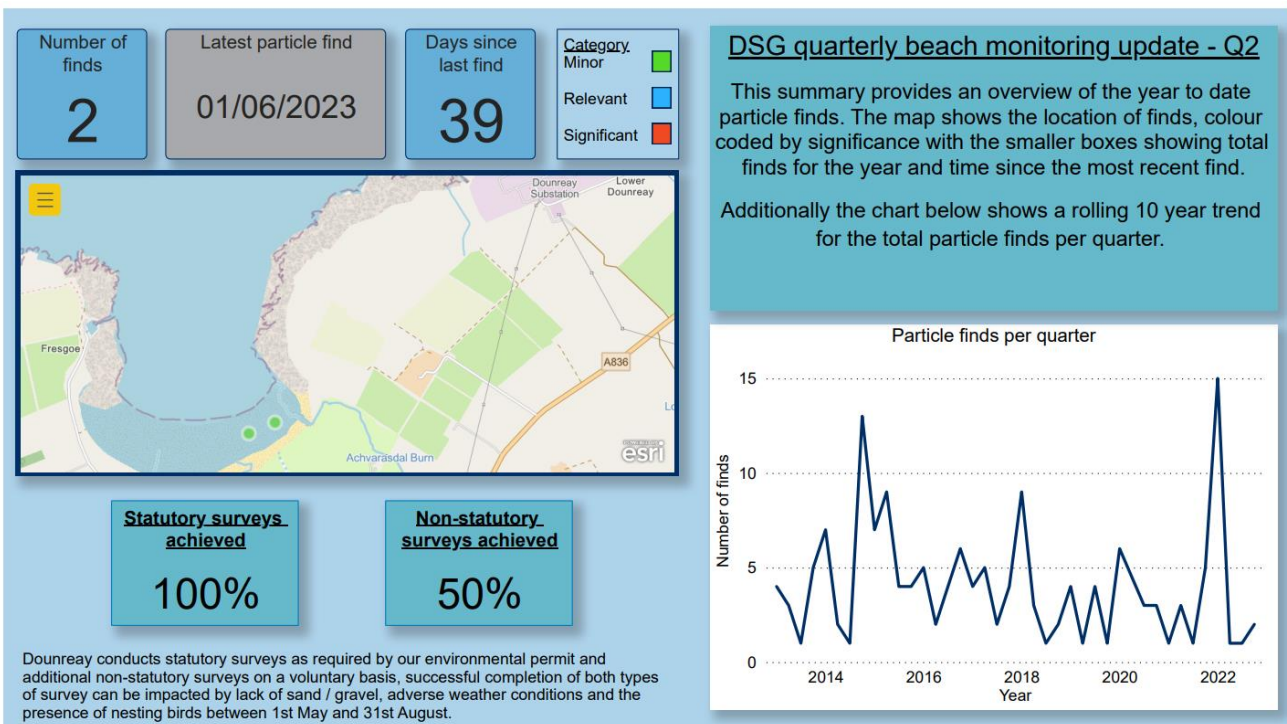


- The Site’s TRIR is now 0.18, up from 0.14 as a result of a cut finger requiring sutures. The site is monitoring leading indicators and putting considerable effort into a number of areas including:
  - Construction safety and the Construction (Design and Management) Regulations 2015
  - Task management tools for safety which are intended to reinforce human performance tools at the point of work.
  - Process safety looking at more significant conventional hazards.
  
- ONR issued two enforcement letters. One related to the operation of aged electrical switchgear and transformers. This has been responded to and the response accepted by ONR. The second related to the conditions for long-term storage of sodium in and around PFR and was reinforced by a ‘Holding to Account’ meeting with ONR’s director of regulation for Sellafield, decommissioning, fuel and waste. ONR are keenly interested in how Dounreay will approach such matters under a lifetime plan that is likely to be significantly extended. ONR have raised further concerns about the electrical distribution infrastructure and its ability to support extended operation.
  
- SEPA raised issues relating to sodium storage and raised three non-compliances relating to the inspection of drums and the maintenance of facilities.

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- The site carried out a 'live play' security demonstration exercise achieving a 'green' rating. This was the culmination of significant effort over a number of years and covered a very challenging scenario with multiple casualties.
- Following a review of the holdings of hazardous substances and good engagement with the Competent Authority, Dounreay will be subject to the Control of Major Accident Hazards Regulations (COMAH) 2015. This is driven by holdings of substances such as nitric acid and oxygen. While the site is borderline at present, future work packages are likely to increase holdings. The formal processes are being undertaken with The Highland Council and the Competent Authority.

### ONSHORE MONITORING OF RADIOACTIVE PARTICLES



ONSHORE MONITORING FOR PARTICLES: CUMULATIVE TOTALS				
Location	Minor	Relevant	Significant	Notes
Dounreay foreshore	33	113	217	
Sandside	263	37	0	
Murkle	3	0	0	
Strathy	0	0	0	

## FORWARD PLANS AND IMPROVEMENTS

- Our new lifetime plan, setting out the activities and their sequencing needed to reach the site interim end-state, is now going through due process at NDA and government levels. Delivery of the LTP is scheduled to begin April 2024.
- Work continues to develop a new organisational structure that can deliver the LTP programmes more effectively and efficiently from 1 April 2024.
- Two programme directors are in a post and recruitment of a third is underway.
- Work continues to transform our systems and processes, and improve our people functions, including the development of a strategic workforce plan and career pathways.

## CORPORATE

- Following the successful joining of Dounreay and Magnox on 1 April, the next step in the company's evolution is its rebranding ahead of the handover of ex-generating sites now being defueled by EDF Energy.
- A number of employees who transferred from the UK Atomic Energy Authority to Dounreay Site Restoration Ltd at its inception are members of the Combined Nuclear Pension Plan. This is one of the last public-sector pension schemes to be reformed by the UK Government, and staff are being updated on the progress of legislation through Parliament to move their future contributions to a career average earnings related scheme.
- Our culture programme continues apace, with a series of "big conversations" being held by teams across the site about the value of constructive challenge.
- Nominations opened for the annual Dounreay Decommissioning Excellence awards. The awards ceremony takes place on Saturday 26 August, immediately after a family day for Dounreay workers and their family.
- The first in-person supply chain engagement event for several years took place at the Engineering, Technology and Energy Centre of the UHI North Highland College in Thurso.
- For the second consecutive year, Dounreay received the Engineering Construction Industry Training Board (ECITB) Skills and Training Charter at gold certificate level.
- Representatives from AWE at Aldermaston visited Dounreay in June as part of an estate-wide benchmarking exercise of Licence Conditions 28 (examination, inspection, maintenance and testing - EIMT) and 34 (leaking and escape of radioactive material and radioactive waste).

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- Representatives from Dounreay attended an NDA-led challenge framing workshop to explore the challenges faced in their day-to-day activities, and what they see as the blockers in the decommissioning process on a strategic level that a digital solution could help to resolve. The outcome of the workshop will be used to shape a nuclear grand challenge accelerator programme in which Dounreay has been selected to be the lead site in collaboration with the wider NDA group.

## PEOPLE

- Mark Rouse represented Dounreay as part of a UK delegation at an International Atomic Energy Agency conference on nuclear decommissioning: “Addressing the past and ensuring the Future”. He gave a presentation on the site's end state.
- Adam Porteous attended the two-week International Atomic Energy Agency School of Nuclear Energy Management for young nuclear professionals in Krakow.
- Bibiana Aldrick came third in the Scottish final of the Young Generation Network speaking competition. Her talk was about environmental sampling in the nuclear industry.
- Dounreay Women's Network rebranded as the Dounreay Gender Balance Network, bringing it into line with the terminology used across the NDA estate.
- As part of International Men's Health Week, Craig Brown is leading a new men's health awareness group. Invictus Games athlete Mark Ormrod took part in a staff webinar.
- The NDA Group Employee Awards take place on 5 July. Congratulations to those who have been shortlisted:
  - Ryan Buttress – workplace wellbeing achievement
  - The Focus North Partnership, supported by Dounreay – best socio-economic initiative
  - John O'Groats Brewery – best socio-economic initiative