



NDA Value Framework

Our touchstone for Sustainability

Why do we have the Value Framework?

17 nuclear sites across the UK

1,046 hectares of designated land

15,000 employees across the estate

800+ buildings to be demolished



The Nuclear Decommissioning Authority (NDA) is a non-departmental public body created through the Energy Act 2004 to take responsibility for decommissioning and cleaning up UK's earliest nuclear sites.

- The programme for which we are responsible is funded primarily by UK government. As such we must demonstrate to our stakeholders that we are spending the funds allocated to us on the right things and in the right way; something the Treasury's Green Book* refers to as 'spending control'.
- For the NDA, doing the right things in the right way is more than meeting regulatory obligations. The decisions we make must be sustainable and seek to deliver value in its broadest sense; the best overall solution for this and future generations.
- Consequently, shortly after the NDA's creation, we worked with stakeholders to agree those things that we value in relation to our mission. These factors have been gathered together as a Value Framework.

Outcomes based and high performing

| BUSINESS DELIVERY OF STRATEGIC OUTCOMES | | Sellafield | Magnox | Downreay | LLWR | RMM | NTS | Capenhurst | Springfields |
|---|---|------------|--------|----------|------|-----|-----|------------|--------------|
| SPENT MAGNOX FUEL | 1 All Magnox sites defueled | ✓ | ✓ | | | | ✓ | | |
| | 2 All legacy Magnox fuel retrieved | ✓ | | | | | | | |
| | 3 All Magnox fuel reprocessing completed | ✓ | | | | | | | |
| | 4 All remaining Magnox fuel in interim storage | ✓ | | | | | | | |
| | 5 All remaining Magnox fuel disposed | ✓ | | | | ✓ | | | |
| SPENT OXIDE FUEL | 6 All EDFE oxide fuel received | ✓ | | | | | ✓ | | |
| | 7 All legacy oxide fuel retrieved | ✓ | ✓ | | | | | | |
| | 8 All oxide fuel reprocessing completed | ✓ | ✓ | | | | | | |
| | 9 All remaining oxide fuel in interim storage | ✓ | | | | | | | |
| SPENT EXOTIC FUEL | 10 All remaining oxide fuel disposed | ✓ | | | | ✓ | | | |
| | 11 All exotic fuel defueled | ✓ | | ✓ | | | | | |
| | 12 All exotic fuel consolidated | ✓ | | ✓ | | | ✓ | | |
| | 13 All exotic fuel reprocessing completed | ✓ | | | | | | | |
| | 14 All remaining exotic fuel in interim storage | ✓ | | | | | | | |
| | 15 All remaining exotic fuel disposed | ✓ | | | | ✓ | | | |
| PLUTONIUM | 16 All plutonium produced | ✓ | | | | | | | |
| | 17 All plutonium consolidated | ✓ | ✓ | | | | ✓ | | |
| | 18 A: All plutonium repacked in long-term storage B: All cans not suitable for extended storage repackaged | ✓ | | | | | | | |
| | 19 All plutonium in interim storage | ✓ | | | | | | | |
| URANIUM | 20 All plutonium reused or disposed | ✓ | | | | ✓ | | | |
| | 21 All uranium produced | ✓ | | | | | | | |
| | 22 All uranium consolidated | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ |
| | 23 All uranium treated | ✓ | | | | | ✓ | ✓ | ✓ |
| | 24 All uranium in interim storage | ✓ | | | | | ✓ | ✓ | ✓ |
| | 25 All uranium reused or disposed | ✓ | | | | ✓ | | ✓ | |

| BUSINESS DELIVERY OF STRATEGIC OUTCOMES | | Sellafield | Magnox | Downreay | LLWR | RMM | NTS | Capenhurst | Springfields |
|---|---|------------|--------|----------|------|-----|-----|------------|--------------|
| LOW LEVEL WASTE | 26 All LLW produced | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 27 All LLW treated - to enable diversion or reuse | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 28 All waste suitable for disposal in NDA facilities | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 29 All waste suitable for permitted landfill disposed | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 30 All ILW produced | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| INTERMEDIATE LEVEL WASTE | 31 All legacy waste retrieved | ✓ | | | ✓ | | | | |
| | 32 All ILW treated | ✓ | ✓ | ✓ | | | | ✓ | ✓ |
| | 33 All ILW in interim storage | ✓ | ✓ | ✓ | | | | ✓ | ✓ |
| | 34 All ILW disposed | ✓ | | | ✓ | ✓ | ✓ | | |
| HIGH LEVEL WASTE | 35 All HLW produced | ✓ | | | | | | | |
| | 36 All HLW treated | ✓ | | | | | ✓ | | |
| | 37 All HLW waste in interim storage | ✓ | | | | | ✓ | | |
| | 38 All overseas HLW exported | ✓ | | | | | ✓ | | |
| | 39 All HLW disposed | ✓ | | | | ✓ | | | |
| OPERATIONAL AND PLANNED | 40 All planned new buildings operational | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| | 41 All buildings primary function completed | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| DECOMMISSIONING AND/OR PLANNED | 42 All buildings decommissioned | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| | 43 All buildings demolished or reused | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| SITES | 44 All land delicensed or relicensed | ✓ | ✓ | ✓ | ✓ | | | | |
| | 45 All land in End State - all planned physical work complete | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 46 All land demonstrated as suitable for reuse | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 47 All land dedesignated or reused | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |

Table 1 - Mission Progress Reporting Strategic Outcomes

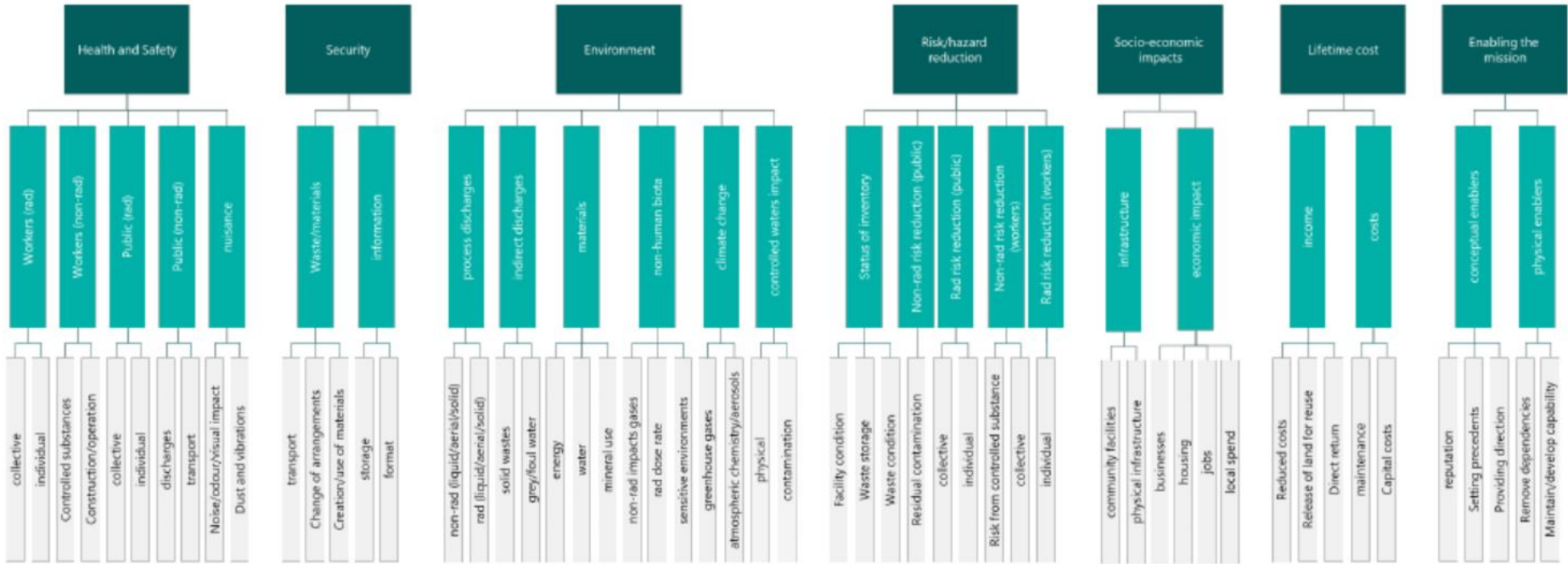
- ✓ Denotes outcome complete
- ✓ Applicable to each SLC/company

Safe, secure and cost-effective



Value Framework

Three tiers of factors



Guided by sustainability criteria embedded in outcomes and delivery



Key: GREEN Direct relationship
BLUE Indirect relationship

The NDA Value Framework August 2021

| | Environment | Risk/hazard reduction | Health and Safety | Security | Socio-economic impact | Lifetime costs | Enabling the mission |
|--|-------------|-----------------------|-------------------|----------|-----------------------|----------------|----------------------|
| 1. No poverty | | | | | GREEN | | |
| 2. Zero hunger | | | | | BLUE | | |
| 3. Good health and well-being | GREEN | GREEN | GREEN | BLUE | BLUE | | |
| 4. Quality education | | | | | GREEN | | BLUE |
| 5. Gender equality | | | | | BLUE | | BLUE |
| 6. Clean water and sanitation | GREEN | | GREEN | | | | |
| 7. Affordable and clean energy | GREEN | | | | | BLUE | BLUE |
| 8. Decent work and economic growth | | | | | GREEN | GREEN | BLUE |
| 9. Industry, innovation and infrastructure | BLUE | BLUE | BLUE | BLUE | GREEN | GREEN | GREEN |
| 10. Reduced inequalities | | | | | GREEN | | |
| 11. Sustainable cities and communities | GREEN | | BLUE | | GREEN | | GREEN |
| 12. Responsible consumption and production | GREEN | BLUE | | GREEN | GREEN | GREEN | GREEN |
| 13. Climate action | GREEN | BLUE | | GREEN | | | |
| 14. Life below water | GREEN | GREEN | GREEN | BLUE | | | BLUE |
| 15. Life on land | GREEN | GREEN | GREEN | BLUE | | BLUE | BLUE |
| 16. Peace, justice and strong institutions | | | | | | | BLUE |
| 17. Partnerships for the goals | | | | | BLUE | | BLUE |



Making a difference

