



Nuclear  
Decommissioning  
Authority

# Quarterly Performance Report

---

Quarter 1 (end of June 2015) status for 2015/16

---

## Quarterly Performance Report – Quarter 1 2015/16

### Progress against this year's targets

Our current Business Plan outlines what we intend to achieve this year. Specific targets sit behind this planned activity.

This report shows the progress against these targets at the end of Quarter 1 2015/16. They are grouped by strategic theme under each Site Licence Company (SLC) . Safety and Environmental information for each NDA site is also reported.

### Strategic themes key:

<b>SR</b>	Site Restoration
<b>SF</b>	Spent Fuels
<b>NM</b>	Nuclear Materials
<b>IWM</b>	Integrated Waste Management
<b>BO</b>	Business Optimisation
<b>CE</b>	Critical Enablers

### Status key:

<b>Red</b>	Behind target
<b>Amber</b>	Behind target with possibility of recovery
<b>Green</b>	On target
<b>Blue</b>	Target complete

## DSRL Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
<b>Site Restoration</b>		
Decontamination of Prototype Fast Reactor pond to meet regulatory requirements.	<b>Red</b>	Now forecast to be complete in April 2016 due to issues with the Prototype Fast Reactor (PFR) Effluent Treatment Plant (ETP).
<b>Nuclear Materials</b>		
Completion of construction of new fuel characterisation facilities.	<b>Red</b>	The completion date has moved out due to delays to the Pre-Construction Safety Report (PCSR) submittal. Now forecast in FY2017/18.
<b>Integrated Waste Management</b>		
Material Test Reactor raffinate immobilisation complete.	<b>Blue</b>	Complete
<b>Critical Enablers</b>		
Continuous improvement in health, safety and environmental performance.	<b>Green</b>	

## LLWR Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
<b>Site Restoration</b>		
Ongoing site preparation for phased construction of the final cap for trenches 1 to 7 and for Vault 8.	<b>Amber</b>	Additional environmental investigations required for trench cap. Start of capping and closure works is awaiting planning approval and receipt of an Environmental Permit.
Ongoing decommissioning of Plutonium Contaminated Material facilities.	<b>Green</b>	
Engaging with key stakeholders to progress environmental permits and planning approvals for continued use of the site.	<b>Green</b>	
<b>Integrated Waste Management</b>		
Continue segregated waste, treatment and disposal services in line with UK Low Level Waste Strategy.	<b>Green</b>	
Work with consigning SLCs to improve waste forecasts and the waste inventory.	<b>Green</b>	
Delivery of the National LLW Programme to optimise LLW Strategy implementation.	<b>Green</b>	
Complete the review of the UK Nuclear Industry Solid Low Level Waste Strategy.	<b>Green</b>	

## LLWR Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
<b>Critical Enablers</b>		
Support Small & Medium Enterprise organisations by increasing overall spend with them to 22%.	<b>Green</b>	
Continue to pursue overall cost savings in delivery of the Lifetime Plan.	<b>Green</b>	
Maintain the momentum of the supply chain investment in waste treatment arrangements.	<b>Green</b>	
Continue upgrades to the infrastructure.	<b>Green</b>	

## Magnox Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
<b>Site Restoration</b>		
Delivery of programmisation principles across Magnox and RSRL SLCs.	Green	
Continuation of estate decommissioning and demolition activities.	Green	
<b>Spent Fuels</b>		
Management of MOP9 and co-ordination of Magnox fuel management activities with Sellafield.	Green	
Progression of Oldbury defuelling.	Green	
<b>Nuclear Materials</b>		
Delivery of the RSRL nuclear materials programme activities.	Green	
<b>Integrated Waste Management</b>		
Delivery of the Magnox and RSRL elements of the estate-wide Low Level Waste management plan.	Green	
<b>Business Optimisation</b>		
Optimisation of electricity generation at Wylfa.	Green	
Support to NDA in property activities to reduce NDA decommissioning liability and achieve best value on asset disposal.	Green	

## Magnox Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
--------	--------	------------

Critical Enablers		
Complete consolidation activities in support of the new contract under one PBO.	Red	The contractual completion date for consolidation of September 2015 will not be met due to additional work being required. Consolidation will be complete before end Q4.
Information Assurance Maturity Model - progression of delivery of enabling activities.	Green	
Support Small & Medium Enterprise organisations by increasing overall spend with them to 22%.	Green	
Development of Interim Care & Maintenance and Interim End State approaches, utilising revised management arrangements.	Green	

### Berkeley

Integrated Waste Management		
Continuation of ILW plant retrievals and packaging.	Green	

### Bradwell

Site Restoration		
Decommissioning and demolition activities in preparation for entry into early effective Care and Maintenance.	Red	Delays in delivery of Fuel Element Debris (FED) dissolution and less than planned ILW conditioning rates mean that the current Care and Maintenance (C&M) date is at risk.
Reactor buildings safestore – weather envelope to be completed.	Green	

Integrated Waste Management		
Continue Fuel Element Debris (FED) dissolution and retrievals.	Red	Technical issues with the abatement plant have significantly delayed progress.

## Magnox Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
--------	--------	------------

### Chapelcross

Site Restoration		
Decommissioning and demolition activities in preparation for entry into Interim Care and Maintenance.	Green	
Complete bulk asbestos removal from third and fourth reactor buildings.	Blue	Complete

### Dungeness

Site Restoration		
Decommissioning and demolition activities in preparation for entry into Interim Care and Maintenance.	Green	

### Harwell

Site Restoration		
Continuation of decommissioning and demolition activities.	Green	
Decommissioning of redundant facilities.	Green	

Nuclear Materials		
Continuation of the programme for the transfer of nuclear materials and contact-handled ILW.	Green	

Integrated Waste Management		
Recovery, processing and packaging of solid ILW.	Green	



## Magnox Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY

### Hinkley Point A

Site Restoration		
Ongoing activities for the draining and stabilisation of Reactor 1 ponds.	Green	
Decommissioning and demolition activities in preparation for entry into Care and Maintenance.	Green	

Integrated Waste Management		
Continuation of Fuel Element Debris (FED) retrieval activities and establishment of buffer storage arrangements.	On Hold	On hold pending clarity on the new FED strategy

### Hunterston

Site Restoration		
Decommissioning and demolition activities in preparation for entry into Care and Maintenance.	Green	
Completion of the pond floor surfaces stabilisation.	Green	

Integrated Waste Management		
Progressing of ILW retrievals, processing and storage activities.	Green	

## Magnox Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
--------	--------	------------

### Oldbury

Site Restoration		
Preparations for decommissioning and hazard reduction.	Green	
Decommissioning and demolition activities in preparation for entry into Care and Maintenance.	Green	

Spent Fuels		
Continue reactor defuelling in line with MOP9.	Green	

### Sizewell A

Site Restoration		
Decommissioning and demolition activities in preparation for entry into Care and Maintenance.	Green	

### Trawsfynydd

Site Restoration		
Decommissioning and demolition activities in preparation for entry into Care and Maintenance.	Red	Delays with FED Encapsulation mean the current Care and Maintenance (C&M) date is at risk.
Strategy agreed for ponds Interim End State entry.	Red	Review of project end state is being carried out by the new Parent Body Organisation (PBO).

Integrated Waste Management		
Progressing of encapsulation of Fuel Element Debris	Red	Challenges experienced at site have caused significant delays against plan.

## Magnox Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
--------	--------	------------

### Winfrith

Site Restoration		
DRAGON reactor – integrated scheme design completed.	Blue	Complete
Continuation of decommissioning and demolition activities.	Green	
SGHWR – continue decommissioning of the primary containment areas.	Green	
SGHWR – completion of the contract award for reactor core detailed scheme design and build.	Red	Timescale for award slowed down due to Magnox & RSRL competition. Current forecast is Q4 2015/16. (NB This target was originally a 2014/15 Business Plan Target)

### Wylfa

Site Restoration		
Decommissioning and demolition activities in preparation for entry into Care and Maintenance.	Green	

Spent Fuels		
Defuelling activities in line with MOP9.	Green	

Business Optimisation		
Continued electricity generation.	Green	

**Sellafield Quarterly Performance Report – Quarter 1 2015/16**

TARGET	STATUS	COMMENTARY
<b>Site Restoration</b>		
<b>PILE FUEL STORAGE POND:</b>		
Continue consolidation of sludge within the pond.	Green	
Continue with consolidation and export of contaminated metals for treatment and storage.	Green	
Continue consolidation and export of metal fuel from the pond and wet bays.	Green	
Completion of export of Canned Oxide Fuel from the pond.	Green	
<b>PILE FUEL CLADDING SILO:</b>		
Continue development of the capability to retrieve waste	Green	
<b>FIRST GENERATION MAGNOX STORAGE POND:</b>		
Active commissioning of Sludge Packaging Plant	Green	
Ongoing export of material from wet bays.	Green	
Continue to develop capability to support export of material from the pond.	Green	

**Sellafield Quarterly Performance Report – Quarter 1 2015/16**

TARGET	STATUS	COMMENTARY
<b>MAGNOX SWARF STORAGE SILO:</b>		
Continue to develop the downstream capability to receive and treat material from this facility.	Green	
Commence installation of Silo Emptying Plant 2 machine.	Green	
Commence construction of the Silo Maintenance Facility flask loading and maintenance cave.	Green	
<b>DECOMMISSIONING:</b>		
Continue the decommissioning and demolition of the diffuser from Windscale Chimney Pile.	Green	
Continue work to support demolition of First Generation Magnox Reprocessing stack.	Amber	Manufacturing delays have been experienced in construction of the self-climbing platform needed to support demolition.

<b>Spent Fuels</b>		
Continue to reprocess Magnox spent fuel in line with MOP9.	Green	
Complete all receipts of 'out of reactor' breeder material from Dounreay.	Blue	Complete
Continue to receive and manage AGR spent fuel from EDF Energy.	Green	
Continue to reprocess oxide spent fuel through THORP from EDF Energy and overseas customers.	Green	
Continue preparations for the long-term interim storage of AGR spent fuel following the completion of THORP reprocessing.	Green	

## Sellafield Quarterly Performance Report – Quarter 1 2015/16

TARGET	STATUS	COMMENTARY
<b>Nuclear Materials</b>		
Continue the safe and secure storage of plutonium in line with UK policy.	Green	
Receive first transports of exotic fuel from Dounreay.	Green	
Continue the implementation of a programme for the transfer of materials from Harwell.	Green	
<b>Integrated Waste Management</b>		
Continue to process HAL through the Waste Vitrification Plant.	Green	
Continue to repatriate overseas owned vitrified waste to its country of origin.	Green	
Progress inactive commissioning of Evaporator D.	Green	
Continue to generate savings and preserve capacity at the LLW Repository (LLWR) by diversion of materials into the supply chain in line with the National LLW Strategy implementation and optimisation plan.	Green	
<b>Critical Enablers</b>		
Continue the Sellafield infrastructure enhancement programme.	Green	
Continue with the capability improvements programme (Excellence Plan).	Green	
Support Small & Medium Enterprise organisations by increasing overall spend with them to 22%.	Amber	Data not yet available for Q1 2015/16.

## Safety and Environmental Performance Report – Quarter 1 2015/16

Below is a summary of safety and environmental information for Quarter 1.

The NDA has made clear its absolute commitment to the highest standards for health and safety, security and protection of the environment and expects its contractors to deliver sustained excellence in Health, Safety, Security, and Environmental (HSSE) performance.

We give details on any reportable incidents and environmental impact that have occurred at an NDA site in the reporting period.

SITE	NUCLEAR SAFETY	INDUSTRIAL SAFETY	ENVIRONMENTAL SAFETY
Trawsfynydd	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LLWR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Harwell	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oldbury	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sellafield	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dounreay	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Berkeley	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinkley Point A	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hunterston A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Winfrith	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bradwell	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sizewell A	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wylfa	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Chapelcross	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dungeness A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Key:**

**Nuclear Safety:**

- No incidents in the quarter  
 One or more INES Level 1 or above in the quarter

**Industrial Safety:**

- No incidents in the quarter  
 One or more RIDDOR reportable events in the quarter

**Environmental Safety:**

- No incidents in the quarter  
 One or more environmental non compliances in the quarter

## INES Events

### Magnox

- Dungeness: Failure to maintain level probe in effluent trench – INES 1

## RIDDOR Events

RIDDOR stands for the Reporting of Injuries Diseases and Dangerous Occurrences Regulations 2013. RIDDOR '13 requires the reporting of work-related accidents, diseases and dangerous occurrences. It applies to all work activities, but not to all incidents.

LTA = Lost Time Accident; DO = Dangerous Occurrence, SI = Specified Injury

### Magnox

- Oldbury – Part of a wall was damaged when an excavator knocked over a scaffold barrier - DO
- Wylfa - Individual suffered back injury when removing items from weigh scales - >7 day LTA
- Sizewell - A scaffolder dislocated their knee - >7 day LTA
- Bradwell – An operative suffered a fractured ankle after slipping on a doorway step - SI
- Dungeness – A partially charged fire extinguisher became a projectile during size reductions work - DO

### Sellafield

- Personal oxygen monitors went into alarm - DO
- Individual suffered fractured pelvis after another person overbalanced while climbing stairs and fell onto them= SI

### DSRL

- Individual sustained injury to finger when using sheet metal roller - >7 day LTA

## Environmental Events

On the event scoring system used level 4 is the lowest level.

### Magnox

- Berkeley - A shipment of 112 drums of desiccant to Inutec contained three non-compliant drums. 2 x CCS3 & 2 x CCS4,
- Berkeley - Sample paper not in place when Active Waste vaults ventilation system re-started 2 x CCS4
- Bradwell - an error in the gaseous discharge return 2 x CCS4
- Dungeness - Sediment found in sample of aqueous discharge from Magnox dissolution plant- 1 x CCS4
- Hinkley - Milk results had not been supplied to EA as part of the environmental monitoring programme - 1 x CCS4
- Wylfa - Reactor auxiliary chemically dosed cooling water discharged via an open vent line in the system into plant room - 1 x CCS4
- Oldbury – Particulate sampler configuration error - 1 x CCS4
- Trawsfynydd – Particulate sampler for the main sludge vault found to be incorrectly configured - 1 x CCS4

### DSRL

- Errors identified in gaseous discharges – 2 x CCS4
  - The flow through a duct sampler was not adjusted to meet the conditions specified in the PPC permit, and would have resulted in an over estimate of particulate discharges. Retrospective event, raised for learning 1 x CCS4
  - Historic error found in June 2014 aqueous discharge return to SEPA - 1 x CCS4
-