



Nuclear
Decommissioning
Authority

Quarterly Performance Report

Quarter 2 (end of Sept 2015) status for 2015/16

Quarterly Performance Report – Quarter 2 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 2 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:

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

Status key:

Red	Behind target
Amber	Behind target with possibility of recovery
Green	On target
Blue	Target complete

DSRL Quarterly Performance Report – Quarter 2 2015/16

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

LLWR Quarterly Performance Report – Quarter 2 2015/16

TARGET	STATUS	COMMENTARY
Site Restoration		
Ongoing site preparation for phased construction of the final cap for trenches 1 to 7 and for Vault 8.	Amber	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.	Green	
Engaging with key stakeholders to progress environmental permits and planning approvals for continued use of the site.	Green	
Integrated Waste Management		
Continue segregated waste, treatment and disposal services in line with UK Low Level Waste Strategy.	Green	
Work with consigning SLCs to improve waste forecasts and the waste inventory.	Green	
Delivery of the National LLW Programme to optimise LLW Strategy implementation.	Green	
Complete the review of the UK Nuclear Industry Solid Low Level Waste Strategy.	Green	

LLWR Quarterly Performance Report – Quarter 2 2015/16

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

Magnox Quarterly Performance Report – Quarter 2 2015/16

TARGET	STATUS	COMMENTARY
Site Restoration		
Delivery of programmisation principles across Magnox SLC.	Green	
Continuation of estate decommissioning and demolition activities.	Green	
Spent Fuels		
Management of MOP9 and co-ordination of Magnox fuel management activities with Sellafield.	Green	
Progression of Oldbury defuelling.	Green	
Nuclear Materials		
Delivery of the southern sites nuclear materials programme activities.	Green	
Integrated Waste Management		
Delivery of the Magnox elements of the estate-wide Low Level Waste management plan.	Green	
Business Optimisation		
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 2 2015/16

TARGET	STATUS	COMMENTARY
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Critical Enablers		
Complete consolidation activities in support of the new contract under one PBO.	Red	The contractual completion date for consolidation of September 2015 has not been achieved in part due to additional work being required. Agreement has been given to a seven month extension to the end of Q4 2015/16.
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 and subsequent operational throughput rates of Fuel Element Debris (FED) dissolution and associated Aqueous Treatment Plant mean that the current Care and Maintenance (C&M) date is at risk. A secondary issue with Intermediate Level Waste (ILW) conditioning rates is being addressed.
Reactor buildings safestore – weather envelope to be completed.	Green	

Magnox Quarterly Performance Report – Quarter 2 2015/16

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

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	

Magnox Quarterly Performance Report – Quarter 2 2015/16

TARGET	STATUS	COMMENTARY
Integrated Waste Management		
Recovery, processing and packaging of solid ILW.	Amber	A significant equipment failure has caused delays in Remote Handled Intermediate Level Waste (RHILW) can processing meaning that the financial year-end target is currently at risk.

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	Characterisation activities are progressing in support of the development of 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 2 2015/16

TARGET	STATUS	COMMENTARY
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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 Fuel Element Debris (FED) encapsulation means the current Care and Maintenance (C&M) date is at risk.
Strategy agreed for ponds Interim End State entry.	Red	Proposals for the project end state are being developed and discussed with the Office for Nuclear Regulation (ONR).

Magnox Quarterly Performance Report – Quarter 2 2015/16

TARGET	STATUS	COMMENTARY
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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. The tenders have been assessed and the current forecast for award 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	Generation output is running ahead of the business case targets and should remain so until the planned shutdown at end December 2015.

Sellafield Quarterly Performance Report – Quarter 2 2015/16

TARGET	STATUS	COMMENTARY
Site Restoration		
PILE FUEL STORAGE POND:		
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	
PILE FUEL CLADDING SILO:		
Continue development of the capability to retrieve waste	Green	
FIRST GENERATION MAGNOX STORAGE POND:		
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 2 2015/16

TARGET	STATUS	COMMENTARY
MAGNOX SWARF STORAGE SILO:		
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	
DECOMMISSIONING:		
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.

Spent Fuels		
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 2 2015/16

TARGET	STATUS	COMMENTARY
Nuclear Materials		
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	
Integrated Waste Management		
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.	Amber	Delays with completion of final construction activities are impacting the commissioning schedule.
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	
Critical Enablers		
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	Currently behind target with recovery possible.

Safety and Environmental Performance Report – Quarter 2 2015/16

Below is a summary of safety and environmental information for Quarter 2.

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 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 type="checkbox"/>	<input type="checkbox"/>
Sellafield	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dounreay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Berkeley	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>
Sizewell A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wylfa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chapelcross	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dungeness A	<input type="checkbox"/>	<input type="checkbox"/>	<input 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

Dounreay

- Failure of a lifting accessory during the removal of an item of PFR cave - INES Level 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

Sellafield

- Trip resulting in fractured shoulder
- Hand injury >7 day LTA
- Fractured leg – SI.

Environmental Events

The following is a summary of environmental events where a non-compliance with legal requirements has been confirmed by the environmental regulator or been provisionally identified by the site themselves:-

Sellafield

- An inadvertent release of NOX from the Magnox reprocessing plant was confirmed as an environmental non-compliance by the Environment Agency;
- A discharge volume limit was slightly exceeded from the site's sewage treatment plant and provisionally identified as an environmental non-compliance;
- The pH limit for waste-water discharged from the site's water treatment plant was slightly exceeded and provisionally identified as an environmental non-compliance;
- There have been noise complaints associated with the site's Combined Heat and Power Plant

Dounreay

- Corrosion holes were identified in ductwork serving two of the site's radioactive discharge stacks. The release of radioactivity via the holes was very small but the site has received confirmation from SEPA that a Warning Letter will be issued;
- A large volume of powder was inadvertently released from the grout plant used to cement low level radioactive waste. There was no release of radioactivity but some of the ash left the site boundary and the site has provisionally identified this as an environmental non-compliance.

Magnox

- There was a release of demineralised water from a controlled area at the Hinkley Point A site which ended up in the surface water drains which Magnox has provisionally identified as an environmental non-compliance. No radioactivity was detected in the water.

In addition to the above, NDA maintains surveillance of less significant, minor events such as making errors in discharge returns etc. as an additional indicator of the health of an organisation.
