



Nuclear
Decommissioning
Authority

Quarterly Performance Report

Quarter 3 (end of Dec 2015) status for
2015/16

Quarterly Performance Report – Quarter 3 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 3 2015/16 (December 2015). 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 3 2015/16

TARGET	STATUS	COMMENTARY
Site Restoration		
Decontamination of Prototype Fast Reactor pond to meet regulatory requirements.	Red	Now forecast to be complete in September 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. However, it is proposed that the current scope and schedule will be changed and that this will then be completed in FY 2016/17.
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 3 2015/16

TARGET	STATUS	COMMENTARY
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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. The Environmental Agency has issued a revised Environmental Permit, effective from 1 November 2015.
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	

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 3 2015/16

TARGET	STATUS	COMMENTARY
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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.	Blue	Wylfa ceased generation as planned on 30 December 2015.
Support to NDA in property activities to reduce NDA decommissioning liability and achieve best value on asset disposal.	Green	

Critical Enablers		
Complete consolidation activities in support of the new contract under one PBO.	Red	The contractual completion date for consolidation of the start of September 2015 was not achieved, in part due to additional work being required. Agreement has been given to a seven month extension to the end of

Magnox Quarterly Performance Report – Quarter 3 2015/16

TARGET	STATUS	COMMENTARY
		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	

Magnox Quarterly Performance Report – Quarter 3 2015/16

TARGET	STATUS	COMMENTARY
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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 Discharge Abatement Plant (ADAP) 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 and throughput issues with the abatement plant have significantly delayed progress. All FED has been retrieved from the vaults.

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 A

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

Magnox Quarterly Performance Report – Quarter 3 2015/16

TARGET	STATUS	COMMENTARY
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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.	Amber	Problems with can processing mean that the financial year-end target is currently at risk. Some improvements made in the quarter to recover the original processing schedule.

Hinkley Point A

Site Restoration		
Ongoing activities for the draining and stabilisation of Reactor 1 ponds.	Blue	Complete
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

MAGNOX Quarterly Performance Report – Quarter 3 2015/16

TARGET	STATUS	COMMENTARY
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Hunterston A

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	

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	

Magnox Quarterly Performance Report – Quarter 3 2015/16

TARGET	STATUS	COMMENTARY
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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).

Integrated Waste Management		
Progressing of encapsulation of Fuel Element Debris.	Red	Now forecast for 2017 due to challenges experienced at site.

Magnox Quarterly Performance Report – Quarter 3 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 and 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.	Blue	Generation output ahead of the business case targets. Wylfa ceased generating as planned on 30 December 2015.

Sellafield Quarterly Performance Report – Quarter 3 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 1.	Blue	
Ongoing export of material from wet bays.	Green	
Continue to develop capability to support export of material from the pond.	Green	
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.	Blue	
Commence construction of the Silo Maintenance Facility flask loading and maintenance cave.	Blue	
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 mean that there is currently a risk regarding the delivery of the self-climbing platform that is required for demolition.

Sellafield Quarterly Performance Report – Quarter 3 2015/16

TARGET	STATUS	COMMENTARY
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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	

Nuclear Materials		
Continue the safe and secure storage of plutonium in line with UK policy.	Green	
Receive first transports of exotic fuel from Dounreay.	Blue	
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.	Blue	Complete
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	

Sellafield Quarterly Performance Report – Quarter 3 2015/16

TARGET	STATUS	COMMENTARY
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Critical Enablers		
Continue the Sellafield infrastructure enhancement programme.	Green	
Continue with the capability improvements programme (Excellence Plan).	Green	
Support Small and Medium Enterprise organisations by increasing overall spend with them to 22%.	Amber	Currently behind target with recovery possible.

Health, Safety, Safeguards and Environmental Performance Report – Quarter 3 2015/16

Below is a summary of Health, Safety, Safeguards and Environmental information for Quarter 3 2015/16 (December 2015).

The NDA has made clear its absolute commitment to the highest standards for Health, Safety, Security, Safeguards and protection of the Environment and expects its contractors to deliver sustained excellence in performance.

We give details on any reportable incidents and environmental impacts 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sellafield	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dounreay	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Berkeley	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hinkley Point A	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Dungeness A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Health, Safety, Safeguards and Environmental Performance Report – Quarter 3 2015/16

INES Events

The International Nuclear and Radiological Event Scale (INES) facilitates communication and understanding between the technical community, the media and the public on the safety significance of radiological events. While the number of INES events serves as a useful comparator, an INES rating is not in itself a reliable indicator of the severity of an event, because INES is a communication tool, not an objective scientific scale.

Oldbury:

- An irradiated fuel element was broken during processing operations – INES 1

Sellafield:

- A power failure resulted in the temporary loss of an instrument used to monitor a storage silo – INES 1.

RIDDOR Events

The RIDDOR Regulations ('Reporting of Injuries Diseases and Dangerous Occurrences Regulations') require the reporting of certain types of injury, accident and industrial disease. RIDDOR applies to all work and work-related activity, but does not apply to all types of accident. Three types of event must be reported:

- **Lost Time Accidents**, where an injury or condition results in a person being unable to return to their work for more than seven days
- **Dangerous Occurrences**, which are defined in the regulations
- **Specified Injuries**, which are defined in the regulations.

Dounreay:

- A knee injury sustained during a low speed collision resulted in a worker being absent for more than seven days, a Lost Time Accident.
- A fall at work resulted in a worker being absent for more than seven days, a Lost Time Accident.
- A worker who slipped on ice suffered a fractured wrist, a Specified Injury.

Chapelcross:

- A worker suffered a back strain and was absent from work for more than seven days, a Lost Time Accident.

Hinkley Point A:

- A worker who tripped over an open drawer suffered a fractured collar bone, a Specified Injury.

Sellafield:

- A worker who fell a short distance from the foot of a ladder suffered a fractured coccyx, a Specified Injury.

Health, Safety, Safeguards and Environmental Performance Report – Quarter 3 2015/16

Environmental Events

The following summarises environmental events where failure to comply with legal requirements has been confirmed by the regulator, or where a provisionally non-compliance has been provisionally identified by the site operator:

Sellafield:

- An inadvertent release of NO_x from the Magnox reprocessing plant was confirmed as an environmental non-compliance by the Environment Agency.
- A discharge volume limit pertaining to the site's sewage treatment plant was exceeded, and provisionally identified as an environmental non-compliance.
- The pH limit for waste-water discharged from the site's water treatment plant was exceeded and provisionally identified as an environmental non-compliance.
- The Environment Agency received a number of noise complaints associated with the discharge of waste steam from the site's Combined Heat and Power Plant.

Dounreay:

- A number of small holes caused by corrosion were discovered during the inspection of ductwork serving two of the site's radioactive discharge stacks. The Scottish Environmental Protection Agency will issue a Warning Letter.
- Ash powder was inadvertently released from the site's grout plant. Some of the ash was blown over the site boundary. The site has provisionally identified this as an environmental non-compliance.

Hinkley Point A:

- A small quantity of demineralised water from a radiologically controlled area of site was released into the surface water drains. Magnox, the site operator, has provisionally identified this as an environmental non-compliance. No radioactivity was detected in the water.