



Office for
Nuclear Regulation

Chief Nuclear Inspector's Summary Programme Plan

2016/17

The Chief Nuclear Inspector's Summary Programme Plan 2016/17 sets out our high level regulatory milestones and is published in accordance with ONR's business plan 2016/17 as issued within ONR's Strategic Plan to 2020¹. We have established a clear vision to be recognised as **an exemplary regulator that inspires respect, trust and confidence** and delivery of our work focuses on three key strategic themes:

- Influencing improvements in nuclear safety and security.
- Inspiring a climate of stakeholder respect, trust and confidence.
- Achievement of our vision through ONR's people.

This plan highlights our principal regulatory milestones to deliver against our strategy. The plan provides for an integrated approach to the delivery of safety and security regulation across the UK's operational nuclear reactors and facilities; proposed new build reactors; decommissioning and nuclear legacy clean-up activities; together with the transport and safeguarding of radioactive materials. The milestones herein support our themes to influence and inspire confidence in the areas of:

- Modernising nuclear regulation
- Hazard reduction and remediation at Sellafield's legacy facilities
- Preparing for new nuclear power generation
- Regulating existing civil reactors and defence facilities
- Regulating decommissioning and preparing for licensing and regulation of a future geological disposal facility

The ONR business activities to deliver our priorities are detailed within the ONR Strategic Plan to 2020.

¹ <http://www.onr.org.uk/documents/2016/strategic-plan-2016-2020.pdf>

As part of our work to deliver our strategy we have established a framework based on six core functions which deliver our statutory obligations in a manner consistent with international regulatory standards. Our plans are again this year constructed and monitored against these core functions.

Our six core functions are:

- Inspect and evaluate the safety and security culture and performance of our dutyholders, ensuring risks are well controlled.
- Enforce the law, in accordance with our Enforcement Management Policy.
- Deliver a permissioning regime, ensuring that dutyholder activities of principal significance to nuclear safety and security achieve UK legal standards.
- Continually improve the regulatory framework, maintain ONR's management system and sustain our regulatory capability.
- Engage, inform, advise and consult with dutyholders, international bodies and other stakeholders.
- Influence our dutyholders to develop though-life strategies, achieving sustained delivery of good practice in safety and security.

Core Function	Programme	Key Activity
Inspect and evaluate the safety and security culture and performance of our dutyholders, ensuring risks are well controlled.	All Operational Programmes	Undertake compliance inspections on nuclear sites in accordance with site specific regulatory intervention plans – Target: Complete 95% of planned inspections.
	All Operational Programmes	Undertake systems based, safety case informed inspections across licensed sites in accordance with site specific regulatory intervention plans – Target: Complete 100% of planned inspections.
	Civil Nuclear Security	Conduct a programme of interventions at Sellafield to assess the delivery of the Sellafield Security Enhancement Programme and encourage timely realisation of the risk reduction benefits from security improvements in order to meet DECC policy objectives.
	Cross ONR Programme	Undertake four corporate conventional health and safety interventions.
	Cross ONR Programme	Conduct radioactive material transport compliance inspections in accordance with sector specific regulatory intervention plans – Target: Complete 95% of planned inspections.
	Assurance, Policy & International	Produce consolidated guidance on safety risk informed regulatory decision-making, thereby clarifying guidance on enabling regulation, and further embed the approach across ONR.
Enforce the law, in accordance with our Enforcement Management Policy	Operating Facilities	Assess AWE's progress against the requirements of the extant Improvement Notice and schedule related to higher activity waste, record the basis of our assessment and inform the licensee.
	Sellafield & Decommissioning, Fuel & Waste	To assess Sellafield's progress against the requirements of the Improvement Notice and schedule related to Magnox Reprocessing Plant record the basis of our assessment and inform the licensee.
	Cross ONR Programme	Complete determinations, as required by the Radiation (Emergency Preparedness and Public Information) Regulations 2001, of off-site local authority radiation emergency planning areas for eight nuclear sites.

Core Function	Programme	Key Activity
<p>Deliver a permissioning regime, ensuring that dutyholder activities of principal significance to nuclear safety and security achieve UK legal standard.</p>	New Reactors	Issue specification to NNB GenCo for first consent, associated with the start of construction and placement of the first nuclear safety related concrete (underground technical galleries).
	Operating Facilities	Implement a programme of inspection and assessment activity to support the licensee statutory outage schedule and issue Licence Instruments, where appropriate, to enable reactor start-ups. The schedule will include Sizewell B, Hartlepool, Heysham 2 and Heysham 1.
	Operating Facilities	Assess the Periodic Safety Report for Hunterston B and Hinkley Point B and issue ONR's decision.
	Operating Facilities	Assess the decennial Periodic Review of Safety (PRS) submission for the BAE Systems Marine Ltd. Barrow Site, record the outcome of our assessment, and issue the decision letter to the licensee.
	Sellafield & Decommissioning, Fuel & Waste	Assess and if appropriate permission Wylfa's post-generation safety case to enable the site to begin defueling operations.
	Sellafield & Decommissioning, Fuel & Waste	Complete regulatory intervention to confirm the capability of Dounreay Site Restoration Limited (DSRL) to implement the consignment to Sellafield of Phase 2 of the Dounreay un-used Prototype Fast Reactor (PFR) fuel.
	Civil Nuclear Security	Assess and as appropriate approve DECP Transport Security Plans from the three approved carriers throughout the financial year to enable the programme to progress to timescales.
	Sellafield & Decommissioning, Fuel & Waste	Assess, and if appropriate, grant a nuclear site license to Tradebe Inutec, a tenant on Winfrith licensed site enabling it to become a stand-alone Site Licence Company.
<p>Continually improve the regulatory framework, maintain ONR's management system and sustain our regulatory capability</p>	Civil Nuclear Security	Deliver new outcome-focused Security Assessment Principles (SyAPs), including a range of supporting activities enabling industry's subsequent delivery of revised Nuclear Site Security Plans (NSSPs).
	Assurance, Policy and International	Review and update Technical Inspection Guides (TIGs) and Technical Assessment Guides (TAGs) in line with the standard review period of three years, taking account of developments in the global nuclear safety and security regime

Core Function	Programme	Key Activity
Engage, inform, advise and consult with dutyholders, international bodies and other stakeholders	All Operational Programmes	Publish quarterly reports to public meetings such as Site Stakeholder Groups (SSG) or Local Community Liaison Committees (LCLCs) within eight weeks of quarter end.
	Sellafield, Decommissioning & Waste	Publish guidance and intervention strategies to support the implementation of our policy and approach for the regulation of any future geological disposal facility.
	Cross ONR Programme	Publish practical guidance to influence improved compliance with legal requirements relating to emergency planning, security and radiation protection programmes for the transport of radioactive materials by roads.
	Civil Nuclear Security	Work with UK safeguards duty holders and the safeguards inspectorates of the IAEA and Euratom to enable successful safeguards implementation in the UK and submit reports in fulfilment of the UK's obligations to Euratom, the IAEA, Japan, Australia and related domestic commitments.
	Assurance, Policy and International	Report on the progress made in embedding the new arrangements for managing regulatory research in ONR.

Core Function	Programme	Key Activity
Influence our duty holders to develop through-life strategies, achieving sustained delivery of good practice in safety and security.	Sellafield, Decommissioning & Waste	Aim to facilitate through a range of regulatory interventions, export of >20 skips of legacy fuel from the First Generation Magnox Storage Pond at Sellafield
	Sellafield, Decommissioning & Waste	Aim to facilitate through a range of regulatory interventions, acceleration of activities at Sellafield to commence Pile Fuel Cladding Silo hole cutting, which is an enabling activity for retrieval of waste from this silo.
	Sellafield, Decommissioning & Waste	Aim to facilitate through a range of regulatory interventions at Sellafield, delivery of the Resilience Project capability improvements and demonstrate operability.
	New Reactors	Undertake a project review of the UK Advanced Boiling Water Reactor (ABWR) Generic Design Assessment (GDA).
	New Reactors	Undertake a project review of the AP1000 GDA.
	New Reactors	Produce and approve an intervention strategy covering ONR's assessment of Horizon Nuclear Power's nuclear site licence application for Wylfa Newydd.
	Civil Nuclear Security	Following publication of DECC's equivalent, deliver a comprehensive Cyber Security & Information Assurance (CS&IA) regulatory strategy and implement an enabling CS&IA regulatory regime (including multi-functional CS&IA Interventions).



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