



**Office for Nuclear Regulation (ONR)
Quarterly Site Report for
Sellafield, Calder Hall and Windscale West Cumbria
Sites Stakeholder Group (WCSSG)**

Report for period 01 January 2015 – 31 March 2015

Foreword

This report is issued as part of ONR's commitment to make information about inspection and other regulatory activities relating to the above site available to the public. Reports are distributed quarterly to members for the West Cumbria Sites Stakeholder Group and are also available on the ONR website (<http://www.onr.org.uk/llc/>).

Site inspectors from ONR usually attend West Cumbria Site Stakeholder Group Scrutiny Meetings and will respond to any questions raised there. Any person wishing to inquire about matters covered by this report should contact: ONREnquiries@onr.gsi.gov.uk

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1 INSPECTIONS

1.1 DATES OF INSPECTION

ONR nuclear safety inspectors made inspections on the following dates during this quarter.

Plutonium Plants	7 th – 9 th January	24 th – 26 th January	17 th – 19 th March	
Thorp	26 th January			
Decommissioning	3 rd – 4 th February	18 th – 19 th February		
Magnox	19 th – 23 rd January	28 th – 30 th January	23 rd - 26 th February	16 th – 19 th March
Infrastructure and Waste and Effluent, Disposition Directorate	14 th January	26 th January	26 th February	
Corporate	25 th – 27 th February			
Project Delivery	20 th – 22 nd January	12 th – 13 th March	25 th March	

2 ROUTINE MATTERS

2.1 Inspections

Inspections are undertaken as part of the process for monitoring compliance with:

- the conditions attached by ONR to nuclear site licences granted under the Nuclear Installations Act 1965 (NIA65) (as amended);
- the Energy Act 2013
- the Health and Safety at Work (etc) Act 1974 (HSWA74); and
- Regulations made under HSWA74, for example the Ionising Radiations Regulations 1999 (IRR99) and the Management of Health and Safety at Work Regulations 1999 (MHSWR99).

The inspections entail monitoring the licensee's actions in relation to incidents, operations, maintenance, projects, modifications, safety case changes and any other matters that may affect safety on the site. The licensee, Sellafield Limited, is required to make and implement adequate arrangements under the conditions attached to the licence in order to ensure legal compliance. Inspections seek to judge both the adequacy of these arrangements and their implementation.

In general, ONR judged the arrangements made and implemented by the site in response to safety requirements to be adequate in the areas inspected. However, where improvements were considered necessary, the licensee made satisfactory commitments to address the issues, and our inspectors will monitor progress during future visits. Where necessary, ONR will take formal regulatory enforcement action to ensure that appropriate remedial measures are implemented to reasonably practicable timescales.

In this period, routine inspections at Sellafield covered the following:

Sellafield Compliance Intelligence and Enforcement (SCIE) sub programme.

The SCIE sub-programme's objective is to seek evidence-based confidence that the Sellafield Limited is complying with its statutory obligations and that workers and the public are protected from the hazards of the site.

Magnox

During the period, ONR carried out one System Based Inspection (SBI) on the containment system in the Magnox reprocessing plant. ONR judged that this system meets the requirements of the safety case and that implementation of Sellafield Limited's compliance arrangements is adequate for LC10 'Training', LC23 'Operating Rules', LC24 'Operating Instructions' and LC34 'Leakage and Escape of Radioactive Material and Radioactive Waste'. However, it was ONR's opinion that implementation of Sellafield Limited's compliance arrangements was below standard for LC27 'Safety Mechanisms, Devices and Circuits' and LC28 'Examination, Inspection, Maintenance & Testing'. Sellafield Limited has committed to address the shortfalls identified during the SBI in a timely manner and ONR will monitor progress during future visits.

Within the Magnox facilities, ONR also carried out nine LC compliance inspections. At Calder Hall, ONR judged that compliance with LC36 'Organisational Capability' was below standard. Within the Fuel Handling Plant, ONR judged that compliance with LC10 'Training', LC27 'Safety Mechanisms, Devices and Circuits' and LC34 'Leakage and Escape of Radioactive Material and Radioactive Waste' was adequate and LC28 'Examination, Inspection, Maintenance & Testing' was of a good standard. Within

the Site Ion-exchange Plant, ONR judged that compliance with LC28 ‘Examination, Inspection, Maintenance & Testing’ was significantly below standard while compliance with LC32 ‘Accumulation of radioactive waste’ was adequate. Within the Magnox reprocessing plant, ONR judged that compliance with LC12 ‘Duly Authorised and other Suitably Qualified and Experienced Persons’ and LC26 ‘Control and Supervision’ was below standard. Sellafield Limited has committed to address the shortfalls identified during ONR’s inspections within the Magnox facilities in a timely manner and ONR will monitor progress during future visits.

Finally, within the Fuel Handling Plant, ONR also carried out an Ionising Radiation Regulations compliance inspection and judged that compliance was adequate.

Decommissioning

As part of ONR’s planned inspection programme, ONR undertook a planned inspection in two Decommissioning facilities against LC 23, 28 and 34 to gain confidence regarding plant availability, maintenance and containment. It was ONR’s opinion that although the arrangements and their implementation were adequate, there were opportunities to improve Sellafield Limited’s alignment with the relevant ONR guidance.

ONR attended the regular Level 4 quarterly meeting to review the Decommissioning Directorate environmental, safety, health and quality performance. The performance of the Directorate was considered adequate. A subsequent meeting was later held on outstanding Level 4 Regulatory Issues in Decommissioning. We were pleased that good progress has been made and this has enabled several issues to be closed.

ONR attended the Decommissioning Level 3 Stakeholder Meeting. This meeting covered the discussion and agreement of some of the site’s Key Decommissioning Milestones as well as the Decommissioning Annual Review of Safety. Sellafield Limited accepted that some further work was required on the Milestones before they will fully meet ONR’s expectations.

In February, ONR gave permission (via flexible permissioning arrangements) to Sellafield Ltd for the transfer of a limited number of Tritium Traps to a more suitable interim storage location. Liaison with both ONR Civil Nuclear Security and the Environment Agency identified that significant improvements would be gained by the transfer. Sellafield Ltd has since reported that the traps were moved safely.

Infrastructure

During this quarter ONR inspected Sellafield Limited’s arrangements in the Analytical Services facility for the accumulation of radioactive waste (Licence Condition 32), and leakage and escape of radioactive material and radioactive waste (Licence Condition 34). The licensee’s implementation of its arrangements was considered generally adequate, although one particular shortfall was identified regarding assessment and monitoring of cracks in the internal structure of this ageing facility. This shortfall has now been resolved to ONR’s satisfaction.

ONR also undertook a System Based Inspection of the ventilation system serving the Analytical Services facility. We considered the licensee’s performance to be good in a number of areas, and adequate in others. We also identified the need for improvements in the operating instructions to describe the facility’s evacuation procedures in the event of a ventilation system failure. ONR is progressing this matter at the time of writing.

Finally, ONR attended the Annual Review of Safety for the National Nuclear Laboratory (NNL) Central Laboratory, a tenant-occupied facility on the licensed site. ONR did not identify any significant safety issues or concerns.

THORP

During this quarter, ONR carried out a System Based Inspection of the Cooling Water System in THORP. It was ONR's opinion that this system does not adequately fulfil the requirements of the plant's safety case. This is due primarily to inadequacies with the documents supporting this system and our concerns regarding the maintenance of key parts of the system. Sellafield Limited is now undertaking specific actions to remediate these shortfalls.

During the period there were several events within THORP related to human performance shortfalls. ONR met with THORP senior operational leaders and in result a human performance improvement plan has been introduced. ONR will monitor the progress of this plan throughout the year.

Licence Instrument 889 was issued in February to allow Sellafield Ltd to begin a series of trials to dose the THORP Receipt and Storage pond with sodium hydroxide. The dosing is intended to improve protection of the stored spent fuel against corrosion. Specialist assessments were undertaken prior to the issue of the Licence Instrument to ensure that our decision was robust and consistent with experience from the use of sodium hydroxide in other storage ponds at Sellafield. ONR also carried out a readiness review following the initial stages of the trial to gain assurance that the safety case assumptions continue to remain valid in light of initial operational experience with the dosing.

Following the discovery in late March of a hole in one of the plant's decanter vessels, THORP was shut down for several days. Our assessment and subsequent agreement to the plant's return to reprocessing operations will be covered in next quarter's report.

Permissioning

Following our Licence Condition 22 Benchmarking exercise (reported in last quarter's report), ONR has influenced Sellafield Limited to make improvements to the clarity of its arrangements. The new arrangements now clearly define when a 'Plant Modification Proposal' should be used to control 'paper-based' modifications (i.e. where there are no physical changes to the plant). ONR is content that Sellafield Limited has implemented the revised arrangements appropriately, including notification to all staff likely to be affected by the new arrangements.

Corporate Inspection Programme

The Nuclear Decommissioning Authority (NDA) announced in January that its model for the ownership of Sellafield Limited is to be changed. This will result in the ownership of Sellafield Limited being transferred (before April 2016) from Nuclear Management Partners Limited to NDA itself. ONR has been engaging with Sellafield Limited and NDA over this transfer, and we will regulate the transfer under Licence Condition 36(2). ONR is ensuring that Sellafield Limited properly considers any potential risks to safety arising either from the transfer process or from the planned ownership model itself, and puts steps in place to counteract these and monitor outcomes.

In February ONR carried out a licence compliance arrangements inspection to evaluate the adequacy of Sellafield Limited's arrangements for Licence Condition 26, which concerns the control and supervision of work on the site. Findings from the inspection included a need for the company to make sure it has identified all roles on site that involve supervision of work with significant safety implications, and that the people who undertake such supervision are trained appropriately. Sellafield Limited has responded constructively and positively to our findings, has made a number of good proposals and will be writing to ONR to confirm its plans.

In January ONR issued Licence Instruments permitting revisions to the terms of reference for the Sellafield Ltd Nuclear Safety Committee (NSC) and arrangements for urgent safety proposals, as

required by LC 13. The Sellafield and Windscale nuclear licensed sites share a NSC that they refer to for advice. The most significant of these revisions is a new requirement to review the independent membership of the NSC every three years. This resulted from findings by Sellafield Limited's internal regulator, and is an example of good practice coming from the company's own internal reviews.

Plutonium Management

There are a number of significant improvement projects being initiated in the Plutonium Management facilities, principally aimed at improving nuclear safety in these "first generation", ageing facilities. Amongst other things, these projects are intended to provide suitable ventilation and electrical distribution systems to support the remaining operational life of the facilities and their eventual decommissioning. ONR held a joint regulators' meeting in March in conjunction with the Environment Agency and ONR Civil Nuclear Security inspectors so that all parties can work to a consistent, common regulatory focus.

This quarter has seen a re-evaluation of Sellafield Limited's improvement projects in the light of plant inspections that have shown that the condition of the equipment is better than previously thought. Several reviews have been carried out regarding the feasibility of refurbishing and improving the existing equipment to provide fit for purpose solutions delivered to much-reduced timescales and costs compared to the original system replacement proposals. ONR is engaging proactively in these reviews to ensure that Sellafield Limited's final proposals achieve adequate levels of nuclear safety.

Sellafield Limited has performed several tests aimed at improving the ventilation arrangements in its Finishing Line 3 area. The data gathered from these tests has informed further improvement work and it is expected that the ventilation system will be modified in the near future.

Waste and Effluent Disposition

Planned compliance inspections in both Solid Waste and High Level Waste Plants facilities were undertaken within this quarter, with no significant regulatory issues being identified. ONR reviewed licensee performance in the areas of event reporting, event investigation, and waste accumulation and management, and will deliver further planned inspections in these focus areas over the next two quarters to ensure that any potential wider issues or areas of good practice are identified.

As part of a planned review of licensee performance, undertaken in conjunction with the Environment Agency, ONR identified that forthcoming outage work within the Waste Vitrification Plant (WVP) would increase the amount of Medium Active waste generated. In response, Sellafield Limited has developed a programme for the control and minimisation of this waste, the delivery of which will be monitored in future planned inspections.

WVP has exceeded planned vitrification targets for the 2014/2015 year, which is a significant contribution to high hazard reduction at the site. Whilst this is good progress, there have also been a number of defects on two of the three vitrification process lines over this quarter which could impact on performance in the coming months. Following inspections and meetings with Sellafield Limited we are satisfied with the licensee's efforts to recover the performance of the facility. Nevertheless, this will be a focus area for ONR given the importance of WVP's performance in reducing Highly Active Liquor (HAL) stocks at the site.

ONR has carried out a review of three Licence Instruments placed several years ago to address historical shortfalls in the control of legacy waste at site. Our review has concluded that these Licence Instruments are no longer proportionate, and are not effective regulatory tools for enforcement. One of the three (LI326), was intended to ensure that legacy holdings of Plutonium Contaminated Material (PCM) at the site is placed in a passive state. ONR has reviewed the pace at which this material is

being addressed, and we are satisfied that Sellafield Limited's rate of progress is reasonable given the availability of process facilities and the volume of waste to be processed.

ONR has noted that a proposal to remove a criticality detection and alarm system from a waste treatment facility at the Sellafield site received a safety categorisation lower than we might otherwise have expected. In order to determine if the safety category was appropriate, an ONR criticality specialist examined the proposal. ONR ultimately concluded that Sellafield Limited's categorisation was appropriate, but secured additional oversight of the proposal through the relevant Management Safety Committee as an additional confidence-building measure.

2.2 Other work

Project Delivery sub-programme

The ONR Project Delivery sub programme regulates the programmes, projects and activities, which deliver risk and hazard reduction on the Sellafield site.

This includes projects in the legacy ponds, legacy silos, decommissioning, high level waste and infrastructure areas of the site. In addition to regulating these areas, the sub programme also has a number of improvement themes, aimed at encouraging SL to accelerate risk and hazard reduction:

- Prioritisation
- Use of resources
- Removal of blockers
- Removal of diversions and distractions
- Incentivisation
- Fit for purpose solutions.
- Risk Appetite
- Communications

Key points from our engagements with the licensee during this quarter were:

Legacy Ponds: ONR remains encouraged with the progress that Sellafield Limited continues to make on risk and hazard reduction in the legacy ponds.

Following ONR's advice that we had no outstanding issues to prevent commencement of sludge retrievals, Sellafield Limited has exported the first batches of sludge from its First Generation Magnox Storage Pond (FGMSP) to Sludge Packaging Plant 1 (SPP1) (as part of active commissioning of SPP1).

Sellafield Limited continues to export canned legacy fuel from its Pile Fuel Storage Pond (PFSP) for re-canning and characterisation, prior to moving to alternative safer storage. Sellafield Limited and the National Nuclear Laboratory (NNL) are proactively managing this work to ensure that delivery timescales for this Key Decommissioning Milestone are met.

ONR has carried out readiness inspections for the PFSP Local Sludge Treatment Plant (LSTP) and the Drum Filling Plant (DFP) to assess Sellafield Limited's readiness to begin inactive commissioning of these facilities. Our multi-disciplinary team of specialist inspectors concluded that no outstanding issues remain and we have since agreed to inactive commissioning commencing.

Legacy Silos: Magnox Swarf Storage Silo (MSSS) met significant risk and hazard reduction milestones in this quarter relating to the Liquor Activity Removal (LAR) and the completion of the second extension seismic restraint project.

During this reporting period ONR has looked at the readiness of Silo Emptying Plant (SEP – which will be utilised for MSSS retrieval operations) to be dismantled at the test facility ready for transport to and re-build at the Sellafield site. ONR has not identified any issues and we are in the process of formalising our regulatory decision to permit this.

Regular engagements relating to the Pile Fuel Cladding Silo (PFCS) have taken place with a focus on accelerating retrievals and commencing activities such as hole-cutting and the capabilities required to support this.

Decommissioning: As reported in the last quarter, ONR remains concerned with Sellafield's rate of delivery of its Head End Stack demolition project. During this period we engaged at senior level with

the project team and contractors, stressing the importance of timely delivery of this project while continuing to manage safety risks appropriately. This is a significant hazard reduction project for the site and we are working to encourage fit for purpose solutions to the dismantling and demolition.

High Level Waste Plants: During this quarter ONR wrote to Sellafield Limited regarding our assessment of the licensee's response to its imminent breach of our HAL stocks Specification. Breaching the Specification was inevitable following the extended unavailability of WVP line 3 in 2014 (where ONR served an Improvement Notice in light of the event that led to this unavailability). Our letter states that ONR no longer expects Sellafield Limited to comply with the requirements of the Specification (Licence Instrument Number 793), but that it is our expectation that the Operating Rule proposed by Sellafield Limited to limit accumulation of HAL be fully implemented by 1st April (a date which was achieved by Sellafield Limited).

ONR specialist inspectors have completed their assessment of inactive safety commissioning documentation for Evaporator D. This has provided us with confidence in the plant's 'as built' status and will facilitate future permissioning decisions for operating the plant. ONR also carried out an inspection of the underpinning of the Evaporator D programme, given its importance to the site's evaporative capacity, and found a number of shortfalls. Sellafield Limited is now in the process of addressing these.

ONR remains engaged with Sellafield Limited relating to its development of a safety case for the continued use of Evaporator C.

Infrastructure: ONR is encouraged with Sellafield Limited's completion of the strengthening work for the Analytical Services Stack; this was a significant risk reduction activity.

ONR has continued to engage with Sellafield Limited in regard to it completing the first phase of its resilience improvements. These improvements are needed to address recommendations made in the ONR's Chief Nuclear Inspector's report relating to the Fukushima accident. Sellafield Limited has now finalised its close-out report identifying how it has addressed ONR's recommendations and this will feed into a national report being compiled by ONR in the next quarter.

ONR continued discussions regarding the long term provision of Analytical Services on the Sellafield site. These services are required to support hazard and risk reduction by providing laboratory analysis of material samples. The existing Analytical Services facility is ageing and has a number of age-related shortfalls.

ONR continued to monitor the safe disposal of legacy waste within the Analytical Services facility, and was pleased with the recent progress made in this area.

General:

During this quarter, ONR has continued to embed our regulatory strategy for Sellafield:

- ONR has continued to stress, via senior level discussions with Sellafield Limited, the important part the licensee's internal regulator has to play in both the site's risk and hazard reduction programme and wider improvements in the site's safety management.
- ONR has carried out a review of the continued regulatory appropriateness of Specifications issued in 2000 related to the control of intermediate level radioactive waste (ILW) on the Sellafield site. Our review has concluded that the requirements placed by these Specifications should not be enforced at present, as there are now a number of better alternative regulatory tools deriving from our Sellafield Strategy more suited to securing the desired improvements.

- As previously reported, ONR has continued to hold a monthly Regulatory Interface Meeting (RIM) with Sellafield Limited where we discuss all aspects within our regulatory remit, i.e. nuclear safety, security, conventional safety, safeguards and transport safety, in one meeting. A key supporting document for the RIM is the Hold Point Control Plan (HPCP) which identifies all forthcoming permissioning, hold points and commitments.
- ONR has carried out a review of the continued appropriateness of our current strategy for regulating Magnox Reprocessing periodic shutdowns in advance of the shutdown scheduled for later this year. Our review has concluded that ONR should continue to formally regulate these shutdowns, but that our involvement should be reduced compared to previous occasions. Further, ONR should support the licensee’s internal regulatory function to develop and deliver a proportionate and targeted assurance plan for the periodic shutdown and then take this plan into account when determining what activities we should undertake.
- We have held a meeting with Sellafield Limited related to its mobile crane arrangements following an inspection where we found shortfalls in the implementation of these arrangements. Sellafield Limited has identified a way forward for addressing these shortfalls and these actions have been placed on the HPCP for continued monitoring.
- A collaborative approach continues to be adopted between the six key organisations sharing the common objective of accelerating hazard and risk reduction on the site. This “G6” initiative has now been running for a year and has facilitated several of the risk and hazard reduction projects described above. ONR remains committed to this collaborative approach and through the G6 Engine Room we are currently finalising the risk and hazard reduction case studies for the coming year.

3 NON-ROUTINE MATTERS

Holding to Account meeting: site conduct of operations

During March, in line with the SCIE sub-programme strategy, ONR convened a ‘holding to account meeting’ with Sellafield Limited senior management following a series of events with origins in poor conduct of operations. ONR was pleased that Sellafield Limited recognised the basis for our concerns, demonstrated proactive ownership of the problem and displayed strong, appropriate leadership behaviours to address the root causes of the problem. Suitable improvement plans were put forward which we will monitor and review periodically.

Magnox Reprocessing Plant stack monitor event

On 8 December 2014 an alarm indicating the potential failure of a discharge stack monitor (a safety mechanism) was activated, ultimately leading to the shutdown of the Magnox Reprocessing Plant. Sellafield Limited conducted an investigation to establish the root causes of the event, including whether the monitor continued to fulfil its safety function throughout the event and whether the company’s operational decision-making was suitably conservative. Sellafield Limited concluded that the monitor did indeed continue to fulfil its safety function throughout the event.

ONR undertook a series of fact-finding interventions focussing on this event. Based on these, we accepted SL’s conclusion on the functionality of the monitor. However the findings of our interventions gave rise to significant concerns regarding alarm functionality and the adequacy of alarm response instructions, operational records, decision making, control and supervision and investigations. These were shared with Sellafield Limited and in response it has developed an improvement programme to address our concerns. ONR will consider what regulatory response is appropriate, taking account of a number of other incidents with apparently similar root causes. This will be reported in next quarter’s report.

Control of Asbestos

ONR served Sellafield Limited with an Improvement Notice in November 2014 requiring improvements in its arrangements for managing asbestos at the Calder Hall facility on the Sellafield site. The Improvement Notice followed our inspection of the company’s arrangements for managing asbestos at a number of locations on the site.

ONR’s inspection included a review of the licensee’s arrangements for identifying the location and condition of asbestos-containing materials, and focused on how well Sellafield Limited is managing the risk presented to those working in the affected buildings. ONR concluded that Sellafield Limited must improve its arrangements for these materials at Calder Hall. A number of progress visits were held between December 2014 and March 2015, culminating in ONR determining that Sellafield Limited had made the required improvements in its management arrangements at Calder Hall. The Notice was therefore complied with.

Fire Safety

ONR served Sellafield Ltd with an Enforcement Notice under the Regulatory Reform (Fire Safety) Order 2005 in May 2014 requiring improvements in structural fire protection at the Sludge Packaging Plant.

A number of progress visits were held between May 2014 and March 2015. On 17 March 2015 a final check visit was carried out. ONR judged that effective measures had been taken to bring the premises into compliance with the expectations of national codes of practice for building design, and the Notice was therefore withdrawn significantly earlier than the May 2015 compliance date.

Disruption to site electrical supply

ONR held a meeting with Sellafield Limited to discuss two disruptions to the site electrical supply which occurred during March. The meeting discussed the licensee’s initial response, and subsequent actions. ONR was satisfied that Sellafield Limited had acted appropriately at the time, displaying conservative decision-making, and is now taking appropriate actions to remedy the situation. Sellafield Limited also accepted the need to ensure that appropriate learning was taken from both these events.

4 REGULATORY ACTIVITIES

ONR inspectors may issue formal documents to ensure compliance with regulatory requirements. Under nuclear site licence conditions, ONR issues regulatory documents, which either permit an activity or require some form of action to be taken; these are usually collectively termed ‘Licence Instruments’ (LIs), but can take other forms. In addition, inspectors may issue Enforcement Notices to secure improvements to safety.

In response to a request from Sellafield Limited, ONR granted removal in October 2014 of the requirements specified in LI524, as the requirements of this long-standing Specification no longer align with ONR’s regulatory strategy for Sellafield. LI524 required the licensee to send safety documentation to ONR related to certain specified operations in the Active Handling Facility.

Licence Instruments and Enforcement Notices Issued by ONR during this period

Sellafield Ltd - Sellafield (and Calder Works) – Nuclear Site Licence no. 31G

Date	Type	Ref No	Description
19/01/2015	Consent	LI 883	Consent to operate the Encapsulated Product Store 3 granted under LC 21(8)
30/1/2015	Approval	LI 884	Sellafield Nuclear Safety Committee revised terms of reference
30/1/2015	Approval	LI 885	Approval of amendments to Nuclear Safety Committee arrangements for consideration of urgent safety proposals

Sellafield Ltd – Windscale – Nuclear Site Licence no. 83

Date	Type	Ref No	Description
30/1/2015	Approval	LI 538	Windscale Nuclear Safety Committee revised terms of reference approval
30/1/2015	Approval	LI 539	Approval of amendments to Nuclear Safety Committee arrangements for consideration of urgent safety proposals

Reports detailing the above regulatory decisions may be found on the ONR website at <http://www.onr.org.uk/pars/>.

5 NEWS FROM ONR

Insight into ONR’s work as an independent regulator of the nuclear industry can be found in ONR's [Quarterly News](#). The online publication reports on the key themes and developments in each of ONR's regulatory programmes and provides an update about the ongoing changes at ONR. . For the latest news and updates from ONR visit the [website](#) and sign up for our [ebulletin](#).

6 CONTACTS

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