



**ONR Approval under LC11(3) – Approval of an Alteration or Amendment to Approved
Emergency Plans
Changes to Magnox Ltd Central Emergency Support Function**

Project Assessment Report ONR-DFW-PAR-15-026
Revision 0
24 March 2016

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Published 09/16

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EXECUTIVE SUMMARY

Title

Changes to Magnox Ltd Central Emergency Support Function

Permissions Requested

Magnox Limited, the licensee of Sizewell A, Hinkley Point A, Hunterston A, Oldbury, Wylfa, Chapelcross, Berkeley, Dungeness A, and Bradwell site, has written to the Office for Nuclear Regulation (ONR) requesting approval under Licence Condition (LC) 11 (3) to alter or amend the emergency plans for these sites. The requests have arisen from the licensee's proposed amendment to the respective sites' emergency plans arising from its proposal to change the support provided to the sites by its Central Emergency Support function.

The requests from Sizewell A and Hunterston A sites, propose amendments the respective site emergency plans to include changes that take account of the Radiation (Emergency Preparedness and Public Information) Regulations 2001 (REPPiR) determination for the off-site emergency planning area.

The request from Hinkley Point A site proposes amendment to the site emergency plan to include changes the transition from decommissioning to care and maintenance by incorporating contingency arrangements.

The request from Oldbury site proposes amendment to the site emergency plan to include changes that reflect the transition to its decommissioning arrangements.

The request from Wylfa site proposes amendment to the site emergency plan to include changes that reflect the transition to its defuelling arrangements.

Background

The submissions make amendments to the ten Magnox reactor site emergency plans, which arise from a proposal to change the support provided to sites by its Central Emergency Support function. These changes will be addressed through revision to its Generic Emergency Plan Template. Separate applications have been submitted by each site under its respective site licence requesting Approval of the amendments or alterations to the site emergency plan and supported by a corporate letter providing the generic/common reference material upon which all site plans have been based

Some of the site emergency plans are incorporating additional changes to addresses either a change in status within REPPiR or a change in operational phase.

All Magnox reactor sites are currently supported by a Central Emergency Support Centre (CESC) which when set up is located at EDF Nuclear Generation Limited's Headquarters at Barnwood, Gloucester. The CESC is staffed by Magnox Ltd employees with some contract support. The CESC was designed to support a fleet of generating nuclear power stations where the technical expertise to support all sites was pooled and centralised. The CESC will be replaced by alternative facilities at Magnox's Berkeley Support Office referred to as the Central Support Cell (CSC).

Assessment and inspection work carried out by ONR in consideration of this request

ONR has carried out a programme of work that includes assessment and inspection of the Licensee's submissions to ensure they are consistent with regulatory standards and expectations.

Matters arising from ONR's work

There are no unresolved issues remaining from ONR's assessment and inspection work.

Conclusions

I am satisfied through a combination of assessment by specialist inspectors, inspection by Nominated site inspectors, and in accordance with ONR guidance, that the proposed revisions to the emergency plans for the following Magnox sites are adequate to satisfy the requirements of Licence Condition 11:

- Trawsfynydd
- Bradwell
- Berkeley
- Chapelcross
- Hunterston A
- Hinkley Point B
- Dungeness A
- Sizewell A
- Oldbury

I am satisfied that the changes to the central support function are suitable to ensure that the proposed revision to the Wylfa site emergency plan is adequate to satisfy the requirements of Licence Condition 11.

The strategy to adopt a Special Temporary Instruction at Wylfa in the absence of being able to implement an approved site emergency plan, addressing the CESC/CSC change, before the end of April 2016 is supported by ONR.

Recommendation

I recommend that;

- The Superintending Inspector for the Magnox and Restoration Sites sub-programme accepts the regulatory judgements in this report that justify issuing Licence Instruments (LI) 537, 511, 512, 529, 512 508, 523, 513, and 553.
- The Superintending Inspector for the Magnox and Restoration Sites sub-programme approve this report for publication after redaction as appropriate.
- The Programme Director for the Decommissioning, Fuel and Waste Programme signs the Licence Instruments listed above granting Approval of the alterations or amendments to the emergency plans under LC 11(3) for the following sites:
 - Bradwell (LI 512)
 - Berkeley (LI 511)
 - Chapelcross (LI 537)
 - Hunterston A (LI 523)
 - Hinkley Point A (LI 508)
 - Dungeness A (LI 512)
 - Sizewell A (LI 513)
 - Oldbury (LI 553)
 - Trawsfynydd (LI 529)

LIST OF ABBREVIATIONS

BJA	Berkeley
BJA	Bradwell
CESC	Central Emergency Support Centre
CSC	Central Support Cell
CX	Chapelcross
DNA	Dungeness A
ECC	Emergency Control Centre
EHSS&Q	Environment, Health, Safety, Security and Quality
GTA	Government Technical Advisor
HIRE	Hazard Identification and Risk Evaluation
HNA	Hunterston A site
HPA	Hinkley Point A site
LC	Licence Condition
LI	Licence Instrument
NSC	Nuclear Safety Committee
OBA	Oldbury site
ONR	Office for Nuclear Regulation
OTC	Oldbury Technical Centre
PAR	Project Assessment Report
REPPIR	Radiation (Emergency Preparedness and Public Information) Regulations 2001
RIMNET	Radioactive Incident Monitoring Network
RoA	Record of Assessment
SZA	Sizewell A site
TiiMS	The Incident Information Management System
TRW	Trawsfynydd
WYA	Wylfa site

TABLE OF CONTENTS

1	PERMISSION REQUESTED	7
2	BACKGROUND	7
3	ASSESSMENT AND INSPECTION WORK CARRIED OUT BY ONR IN CONSIDERATION OF THIS REQUEST	8
4	MATTERS ARISING FROM ONR'S WORK.....	11
5	CONCLUSIONS	11
6	RECOMMENDATIONS.....	11
7	REFERENCES	13

1 PERMISSION REQUESTED

1. Magnox Limited, the licensee of Sizewell A, Hinkley Point A, Hunterston A, Oldbury, Wylfa, Chapelcross, Berkeley, Dungeness A, and Bradwell site, has written to the Office for Nuclear Regulation (ONR) requesting approval under Licence Condition (LC) 11 (3) to alter or amend the emergency plans for these sites. The requests have arisen from the licensee's proposed amendment to the respective sites' emergency plans arising from its proposal to change the support provided to the sites by its Central Emergency Support function.
2. The requests from Sizewell A and Hunterston A sites, propose amendments to the respective site emergency plans to include changes that take account of the Radiation (Emergency Preparedness and Public Information) Regulations 2001 (REPPiR) determination for the off-site emergency planning area.
3. The request from Hinkley Point A site proposes amendment to the site emergency plan to include changes to the transition from decommissioning to care and maintenance by incorporating contingency arrangements.
4. The request from Oldbury site proposes amendment to the site emergency plan to include changes that reflect the transition to its decommissioning arrangements.
5. The request from Wylfa site proposes amendment to the site emergency plan to include changes that reflect the transition to its defuelling arrangements.

2 BACKGROUND

6. The submissions make amendments to the ten Magnox reactor site emergency plans, which arise from a proposal to change the support provided to sites by its Central Emergency Support function. These changes will be addressed through revision to its Generic Emergency Plan Template. Separate applications have been submitted by each site under its respective site licence requesting Approval of the amendments or alterations to the site emergency plan and supported by a corporate letter providing the generic/common reference material upon which all site plans have been based.
7. Some of the site emergency plans incorporate additional changes to address either a change in status within REPPiR or a change in operational phase.
8. All Magnox reactor sites are currently supported by a Central Emergency Support Centre (CESC) which when set up is located at EdF Nuclear Generation Limited's Headquarters at Barnwood, Gloucester. The CESC is staffed by Magnox Ltd employees with some contract support. The CESC was designed to support a fleet of generating nuclear power stations where the technical expertise to support all sites was pooled and centralised. The CESC will be replaced by alternative facilities at Magnox's Berkeley Support Office referred to as the Central Support Cell (CSC). The current status of Magnox Ltd's sites are:
 - All generation has ceased
 - Wylfa is defuelling, all other sites having completed defuelling
 - Oldbury is applying to be removed from REPPiR Reg 7 and Reg 9.
 - Berkeley, Sizewell, Hunterston A, Bradwell, Dungeness A, Chapelcross, Trawsfynydd and Hinkley Point A have no requirement for a REPPiR off site emergency plan.
9. The CESC arrangements will be modified by:

- Withdrawal from CESC Barnwood and utilise alternative facilities at the Magnox's Berkeley Support Office, referred to as the Central Support Cell (CSC).
- Maintaining the function and capability of the Engineering Support Room remotely at Magnox's Oldbury Technical Centre (OTC).
- The affected sites delivering the function and capability of the Radiological Assessment Team.
- The reduction of the current CESC baseline staffing of 10 to 5.
- Replacement of the TiiMS information system with email communication.
- Automatic set up of the CESC for sites that have off site emergency plans (i.e. where REPIIR Regs 7 and 9 still apply).

3 ASSESSMENT AND INSPECTION WORK CARRIED OUT BY ONR IN CONSIDERATION OF THIS REQUEST

10. ONR has carried out a programme of work that includes assessment and inspection of the licensee's submissions to ensure they are consistent with regulatory standards and expectations. The response to Magnox Ltd's requests has been undertaken in accordance with relevant ONR Guidance (Reference 59).
11. The relevant minutes of Magnox's Nuclear Safety Committee (NSC) meetings have been reviewed and considered to provide assurance of further independent challenge to the submissions (Reference 6). The NSC advised the Chairman to:
 - Agree the proposal to change the central emergency support function (Reference 12)
 - Endorse the Generic Emergency Plan Templates (Reference 13)
 - Endorse the the proposed arrangements described in the Hinkley Point A Site Approved Accident and Emergency Arrangements (Reference 14)
 - Endorse the proposed arrangements described in the Oldbury Site Emergency Plan (Reference 15)
 - Endorse the proposed arrangements described in the Wylfa Site Emergency Plan (Reference 16)
12. A Magnox internal regulator undertook an inspection of the arrangements for transition from the CESC to CSC, specifically focussed on delivery against the supporting Quality Plan (Ref 17). Magnox Ltd has confirmed that all outstanding actions for the transition programme are completed and that its internal regulator has signed off the Quality Plan (Ref 18).
13. All 10 sites have each undertaken a Level 1 demonstration exercise consistent with the Decommissioning Fuel and Waste Strategy for Emergency Arrangements (Ref 19). All of the exercises were considered to have been an adequate demonstration of the site arrangements (Ref 20 to 24) and no material changes have been made to the plans that would alter these conclusions.
14. The ONR site inspectors for the 10 sites have confirmed that the submitted emergency arrangements incorporating the changes to the central support function remain adequate for foreseeable incidents (References 25, 33, 37, 54 and 57).
15. The functionality of the revised central support function has been demonstrated as party of a training exercise undertaken at Wylfa and observed by ONR inspectors. The exercise was considered to be sufficient to infer performance in support of any other Magnox site and was judged to be an adequate demonstration. The details of this exercise are discussed further in section 3.5.1 of this report.

16. The following sections summarise the site specific elements of assessment/inspection that has been undertaken as part of the submissions made.

3.1 CESC/CSC CHANGE ONLY

3.1.1 CHAPELCROSS, DUNGENESS A, BRADWELL, TRAWSFYNYDD, BERKELEY

17. None of these sites have any reasonably foreseeable radiation accidents and no longer require off site emergency plans. Consequently, they are unlikely to utilise the CSC in the future. The changes to the respective site emergency plans are not material and only required a change in reference from the CESC to the CSC. A review of the emergency plans confirms these changes have been correctly applied.

3.2 CESC/CSC AND REPIR CHANGES

3.2.1 HUNTERSTON A (HNA)

18. In addition to the replacement of the CESC references with CSC and the removal of the references to the Government Technical Advisor (GTA), the revised HNA emergency plan submitted contains the removal of the HNA Off-site emergency Plan.
19. The removal of the HNA Off-site emergency Plan was subject to assessment by ONR of REPIR Hazard Identification and Risk Evaluation (HIRE) Record of Assessment (RoA) produced by Magnox. The assessment was undertaken by an ONR fault studies specialist inspector (Ref 26) and ONR's Emergency Preparedness and Response team (Ref 27). The assessment concluded that ONR concurs with the findings of Magnox that a radiation emergency (as defined in REPIR) is no longer reasonably foreseeable at the HNA site. Consequently and correspondingly, there is no longer a requirement for North Ayrshire Council to continue to prepare, test and review a REPIR off-site emergency plan that takes into account a possible radiation emergency for HNA (Ref 28).
20. The ONR Nominated Site Inspector for HNA has reviewed the revised emergency plan submitted at Issue 12 confirms that the submitted emergency arrangements incorporating the changes to the central support function remain adequate for foreseeable incidents (Ref 29).

3.2.2 SIZEWELL A (SZA)

21. In addition to the replacement of the CESC references with CSC and the removal of the references to the GTA the revised SZA emergency plan submitted contains the removal of the Sizewell A Off-site emergency Plan.
22. The removal of the SZA Off-site emergency Plan was subject to assessment by ONR of the REPIR and HIRE RoA produced by Magnox. The assessment was undertaken by an ONR fault studies specialist inspector (Ref 30) and ONR's Emergency Preparedness and Response team (Ref 31). The assessment concluded that ONR concurs with the findings of Magnox Ltd that a radiation emergency (as defined in REPIR) is no longer reasonably foreseeable at the SZA site. Consequently and correspondingly, there is no longer a requirement for Suffolk County Council to continue to prepare, test and review a REPIR off-site emergency plan that takes into account a possible radiation emergency for SZA (Ref 32).
23. The ONR Nominated Site Inspector for SZA has reviewed the revised emergency plan submitted at Issue 13 confirms that the submitted emergency arrangements incorporating the changes to the central support function remain adequate for foreseeable incidents (Ref 33).

3.3 CESC/CSC CHANGE AND TRANSITION TO CONTINGENCY ARRANGEMENTS

3.3.1 HINKLEY POINT A (HPA)

24. As the hazards on the HPA site have reduced the emergency arrangements are being modified commensurate with the current hazards. The ONR Nominated Site Inspector for HPA inspected the implementation of the revised arrangements (Ref 34). This included the observation of HPA staffs use of the proposed arrangements by ONR. The revised arrangements that take account of the reduction in hazard.
25. The ONR inspector rated the exercise response as being of a good standard and has confirmed that he is content that the arrangements should be adequate in a foreseeable incident on the site (Ref 35).
26. It is noted that HPA has revised the title of its Site Emergency Plan to Site Approved Accident and Emergency Arrangements. The application indicates that these arrangements remain the emergency plan as Specified for Approval by ONR (Reference 56).

3.4 CESC/CSC CHANGE AND TRANSITION TO DECOMMISSIONING

3.4.1 OLDBURY (OBA)

27. As part of the reorganisation from a defuelling site to a decommissioning site, OBA is preparing to change the way it will respond to an incident on the site. This will reflect the reduced severity of a potential incident now that all the fuel has been removed from the site. The preparations include retraining staff into their new roles when the emergency arrangements change. The ONR Nominated Site Inspector for OBA inspected the progress with training in support of the implementation of the revised arrangements through observation of an exercise (Ref 36).
28. The ONR OBA Nominated Site Inspector identified some areas for improvement in training of the staff which will be addressed by the licensee. The inspector has confirmed that he is content that the arrangements should be adequate in a foreseeable incident on the site (Ref 35).

3.5 CESC/CSC CHANGES AND TRANSITION TO DEFUELLING

3.5.1 WYLFA (WYA)

29. As part of the reorganisation from a generating site to a defuelling site, WYA is preparing to change the way it will respond to an incident on the site. This will reflect the potential severity of an incident now that generation has ceased and the site transitions into its defuelling phase. The preparations include retraining staff into their new roles when the emergency arrangements change. As part of this development and preparation a number of shift training exercises have been undertaken at WYA. One of these exercises ("Echo 16") was used to demonstrate the proposed CSC arrangements. (References 37 and 38).
30. The exercise was observed by both the licensee's internal regulatory function (Ref 39) and ONR inspectors (Ref 40). The Magnox's internal regulator concluded that "the exercise enabled the CSC to successfully demonstrate their proposed arrangements and the effective credibility of the RIMNET SDE spreadsheet was confirmed". ONR's inspection concluded that the new arrangements and team can quickly respond to an emergency under the new arrangements. The Wylfa ECC responded well to external requests for information and made good use of the CSC to provide technical support and answer external queries. The relocation of the Central Support function to Berkeley appears to have advantages over the existing set-up at the CESC particularly

due to the ready availability of Magnox Ltd systems, information and expertise. ONR judged that the demonstration of the proposed revised Central Emergency Support function ONR was adequate. The RIMNET data was confirmed to be visible to ONR in Bootle (Ref 41).

31. The documentation provided in support of the applications, included a copy of a letter between the Head of Emergency Planning and the Magnox EHSS&Q Director (Ref 11). This correspondence presented the justification for the changes to the central support function for “consideration/review”. The justification sets out the financial impact of continuing to maintain the CESC beyond 28 March 2016 in support of Wylfa and seeks support to introduce a Special Temporary Instruction to address the period between transition to CSC and Wylfa Defuelling Arrangements being Approved by ONR. Confirmation was provided in support of this strategy by the EHSS&Q Director (Ref 42).
32. In support of the strategy referred to in the preceding paragraph, Magnox Ltd has provided details of proposed temporary variation to Wylfa’s emergency plan actions (Ref 43). This approach has been submitted to the Magnox NSC as a matter arising. The NSC provided broad agreement to the approach and the NSC advised the Chairman to note the matter arising statement (Ref 44). Given the independent scrutiny applied and the short period required for the STI to be in force compared with the disproportionate impact maintaining the CESC beyond 28 March the proposed approach should be supported by ONR. The STI will be in force until the end of April in line with ONR’s planned permissioning of the Wylfa site emergency plan. Routine planned interventions by ONR will monitor the temporary arrangements to ensure it remains effective.

4 MATTERS ARISING FROM ONR’S WORK

33. There are no unresolved issues remaining from ONR’s assessment and inspection work.

5 CONCLUSIONS

34. I am satisfied through a combination of assessment by a specialist inspector, inspection by Nominated site inspectors, and in accordance with ONR guidance, that the proposed revisions to the emergency plans for the following Magnox sites are adequate to satisfy the requirements of Licence Condition 11:

- Trawsfynydd
- Bradwell
- Berkeley
- Chapelcross
- Hunterston A
- Hinkley Point B
- Dungeness A
- Sizewell A
- Oldbury

35. I am satisfied that the changes to the central support function are suitable to ensure that the proposed revision to the Wylfa site emergency plan is adequate to satisfy the requirements of Licence Condition 11.
36. The strategy to adopt a Special Temporary Instruction at Wylfa in the absence of being able implement an approved site emergency plan, addressing the CESC/CSC change, before the end of April 2016 is supported by ONR.

6 RECOMMENDATIONS

26. I recommend that;
- The Superintending Inspector for the Magnox and Restoration Sites sub-programme accepts the regulatory judgements in this report that justify issuing Licence Instruments (LI) 537, 511, 512, 529, 512 508, 523, 513, and 553 (References 45 to 53).
 - The Superintending Inspector for the Magnox and Restoration Sites sub-programme approve this report for publication after redaction as appropriate.
 - The Programme Director for the Decommissioning, Fuel and Waste Programme signs the Licence Instruments listed above granting Approval of the alterations or amendments to the emergency plans under LC 11(3) for the following sites:
 - Bradwell (LI 512)
 - Berkeley (LI 511)
 - Chapelcross (LI 537)
 - Hunterston A (LI 523)
 - Hinkley Point B (LI 508)
 - Dungeness A (LI 512)
 - Sizewell A (LI 513)
 - Oldbury (LI 553)
 - Trawsfynydd (LI 529)

7 REFERENCES

1. Letter CX50554Y, dated 7 January 2016, Request for Approval Under Licence Condition 11(3) of the Amendment to Chapelcross Emergency Plan, TRIM 2016/20436.
2. Letter BKA51001R, dated 11 January 2016, Request for Approval Under Licence Condition 11(3) of the Amendment to Berkeley Emergency Plan, TRIM 2016/18511.
3. Letter DNA51601R, dated 7 January 2016, Request for Approval Under Licence Condition 11(3) of the Amendment to Dungeness A Emergency Plan, TRIM 2016/18444.
4. Letter TRW50830R, dated 14 January 2016, Request for Approval to Amend the Trawsfynydd Site Emergency Plan Under Licence Condition 11(3) of Schedule 2 Attached to Nuclear Site Licence No 81, TRIM 2016/38817.
5. Letter BWA53074, dated 11 January 2016, Request for Approval Under Licence Condition 11(3) of the Amendment to Bradwell Emergency Plan, TRIM 2016/18288.
6. Letter HNA51207N, dated 26 January 2016, Request for Approval Under Licence Condition 11(3) of the Amendment to Hunterston A Emergency Plan, TRIM 2016/39096.
7. Letter SZA52028R, dated 19 January 2016, Request for Approval Under Licence Condition 11(3) of the Amendment to Sizewell A Emergency Plan, TRIM 2016/30685.
8. Letter OBA50990R, dated 14 January 2016, Request for Approval Under Licence Condition 11(3) of the Amendment to Oldbury Emergency Plan, TRIM 2016/20765.
9. Letter WYF52460R, dated 22 December 2015, Licence Condition 11(3) – Emergency Arrangements, Request for Approval of Issue 11 of the Wylfa Emergency Plan, Document WAY/EMP/001 Under Licence Condition 11(3), TRIM 2015/490682.
10. Letter HPA60123R, dated 21 March 2016, Request for Approval Under Licence Condition 11(3) of the Amendment to Hinkley Point A Emergency Plan. TRIM 2016/121823.
11. Letter MXL32287N, dated 13 January 2016, Documents in Support of 10 Magnox Site Emergency Plans (Berkeley, Bradwell, Chapelcross, Dungeness A, Hinkley Point A, Hunterston A, Oldbury, Sizewell A, Trawsfynydd and Wylfa). TRIM 2016/20890.
12. Minutes of the Joint Meeting of the Magnox Limited Berkeley, Bradwell, Chapelcross, Dungeness A, Hinkley Point A, Hunterston A, Oldbury, Sizewell A, Trawsfynydd and Wylfa Nuclear Safety Committees held on Thursday 2 July 2015. TRIM 2015/269875.
13. Minutes of the Joint Meeting of the Magnox Limited Berkeley, Bradwell, Chapelcross, Dungeness A, Hinkley Point A, Hunterston A, Oldbury, Sizewell A, Trawsfynydd and Wylfa Nuclear Safety Committees held on Wednesday 20 September 2015. TRIM 2015/392765.
14. Minutes of the Joint Meeting of the Magnox Limited Berkeley, Bradwell, Chapelcross, Dungeness A, Hinkley Point A, Hunterston A, Oldbury, Sizewell A, Trawsfynydd and Wylfa Nuclear Safety Committees held on Thursday 5 November 2015. TRIM 2015/441385.
15. Minutes of the Joint Meeting of the Magnox Ltd Oldbury and Wylfa Nuclear Safety Committees held on Thursday 2 July 2015 at Oldbury Technical Centre. TRIM 2015/269786.

16. Minutes of the Joint Meeting of the Magnox Ltd Oldbury and Wylfa Nuclear Safety Committees held on Wednesday 30 September 2015 at Oldbury Technical Centre. TRIM 2015/392805.
17. Magnox Ltd Surveillance Inspection Report, Arrangements for Managing the Transition from CESC to CSC, Report No. CSC-INS-001. TRIM 2016/119881.
18. Confirmation of CESC/CSC Transition Programme completion from Magnox Ltd. TRIM 2016/120446.
19. Review of ONR's Regulation of Emergency Arrangements at Magnox Reactor Sites – a New Strategy. ONR-DFW-PAR-15-004 Revision 0. TRIM 2015/161756.
20. Letter CX71360, dated 8 May 2015. LC 11 Emergency Arrangements Level 1 Demonstration Exercise "Quincy". TRIM 2015/171592.
21. Letter BKA80068N, dated 31 October 2014. Berkeley level 1 Annual Demonstration Emergency Exercise Orlando. TRIM 2014/401844.
22. Letter DNA80042, dated 15 December 2014. Dungeness A Level 1 Demonstration Exercise 'Tansy', 22nd October 2014. TRIM 2014/450043.
23. Letter TRA70930N, dated 1 June 2015. Level 1 Demonstration Exercise 'Spitfire'. TRIM 2015/201470.
24. Letter BRA80073Y, dated 1 July 2015. Level 1 Demonstration Exercise 'Gold' – 17 June 2015. TRIM 2015/242031.
25. BRA/TRW Emergency Arrangements - Site Inspector Confirmation of Adequacy. TRIM 2016/128803.
26. Fault Studies Assessment of Hunterston A HIRE Report. ONR-DFW-AR-14-009, December 2014. TRIM 2014/288696.
27. Determination of the requirement for Off-site Emergency Planning and Prior Information Areas for the Hunterston A Nuclear Licensed Site: Radiation (Emergency Preparedness and Public Information) Regulations 2001. ONR-COP-PAR-15-003 Revision 0. TRIM 2016/78969.
28. Letter ONR-EPR-16-52, dated 17 March 2016. Hunterston A Off-Site Emergency Planning and Prior Information Area. TRIM 2016/49045.
29. HNA/CX Emergency Arrangements - Site Inspector Confirmation of Adequacy. TRIM 2016/121948.
30. Fault Studies assessment of the Sizewell A HIRE report, December 2015. ONR-DFW-AR-15-016. TRIM 2015/447508
31. Determination of the Requirement for Off-site Emergency Planning and Prior Information Areas for the Sizewell A Nuclear Licensed Site: Radiation (Emergency Preparedness and Public Information) Regulations 2001. ONR-COP-PAR-15-012 Revision 1. Ref TRIM 2015/470904
32. Letter ONR-EPR-16-25, dated 28 January 2016. Sizewell A Off-Site Emergency Planning and Prior Information Area. TRIM 2016/40511
33. DNA/SZA Emergency Arrangements - Site Inspector Confirmation of Adequacy. TRIM 2016/121943.
34. ONR-DFW-IR-15-146, Hinkley Point A nuclear licensed site planned intervention inspections 22 – 26 February 2016. TRIM 2016/94273.

35. HPA/OBA Emergency Arrangements - Site Inspector Confirmation of Adequacy. TRIM 2016/122305.
36. ONR-DFW-IR-15-141, Oldbury nuclear licensed site pond fuel free verification system inspections 9 – 12 February 2016. TRIM 2016/75057.
37. Echo 16 Exercise Scenario Exercise Scenario and Umpire Notes. TRIM 2016/122436.
38. Emergency Exercise Echo 16 - Pre-Brief note for CSC Elements of the Exercise. TRIM 2016/122552.
39. Magnox Ltd Assurance Team Assessment Report, Observation of Wylfa Emergency Exercise Echo 16. EHSSQ/REP/KF/2016/01. TRIM 2016/122580.
40. IR ONR-DFW-IR-15-138 Magnox Ltd - Wylfa Power Station - Permissioning inspection and information gathering - 26th-27th January 2016. TRIM 2016/48508.
41. Confirmation that RIMNET data from Exercise Echo 16 was received by ONR. 2016/119865.
42. Confirmation by Magnox Ltd EHSS&Q Director for Support to Special Temporary Instruction at Wylfa between Change to CSC and Approval of Wylfa defueling Emergency Arrangements. TRIM 2016/122729.
43. Letter WYF52494R, dated 15 March 2016. LC11 Temporary Variation to Wylfa's Emergency Plan Actions. TRIM 2016/120599.
44. Minutes of the Joint Meeting of the Magnox Limited Oldbury and Wylfa Nuclear Safety Committees held on Tuesday 8 December 2015. TRIM 2015/489655.
45. Licence Instrument (LI) 537 ONR Approval Under LC11(3) for the amendment of the Chapelcross Emergency Plan. TRIM Ref. 2016/117866
46. Licence Instrument (LI) 511 ONR Approval Under LC11(3) for the amendment of the Berkeley Emergency Plan. TRIM Ref. 2016/117895
47. Licence Instrument (LI) 512 ONR Approval Under LC11(3) for the amendment of the Dungeness A Emergency Plan. TRIM Ref. 2016/117908
48. Licence Instrument (LI) 553 ONR Approval Under LC11(3) for the amendment of the Oldbury Emergency Plan. TRIM Ref. 2016/117945
49. Licence Instrument (LI) 523 ONR Approval Under LC11(3) for the amendment of the Hunterston Emergency Plan. TRIM Ref. 2016/117934
50. Licence Instrument (LI) 513 ONR Approval Under LC11(3) for the amendment of the Sizewell A Emergency Plan. TRIM Ref. 2016/117942
51. Licence Instrument (LI) 512 ONR Approval Under LC11(3) for the amendment of the Bradwell Emergency Plan. TRIM Ref. 2016/117921
52. Licence Instrument (LI) 508 ONR Approval Under LC11(3) for the amendment of the Hinkley Point A Emergency Plan. TRIM Ref. 2016/117927
53. Licence Instrument (LI) 529 ONR Approval Under LC11(3) of the amendment of the Trawsfynydd Emergency Plan. Trim Ref. 2016/129573
54. BKA Emergency Arrangements - Site Inspector Confirmation of Adequacy. TRIM 2016/122930.
55. *ONR HOW2 Guide – Preparation and Issue of Licence Instruments - NS-PER-IN-001 Revision 6.* May 2014. <http://www.onr.org.uk/operational/assessment/index.htm>
56. Nuclear Site Licence 52, Specification to Submit Hinkley Point A Power Station Emergency Plan for Approval, Licence Instrument No 1. TRIM 2016/122984.
57. TRW Emergency Arrangements - Site Inspector Confirmation of Adequacy. TRIM 2016/128809.