



Office for Nuclear Regulation (ONR)  
Site Report for  
Wylfa

Report for period 1 January – 31 May 2018

**Foreword**

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

Site inspectors from ONR usually attend SSG meetings where these reports are presented and will respond to any questions raised there. Any person wishing to inquire about matters covered by this report should contact ONR.

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## 1 INSPECTIONS

### 1.1 Dates of inspection

The ONR nominated site safety inspector, supported by ONR specialist inspectors, made inspections on the following dates during the reporting period.

- 12-14 February: System based inspection of the reactor building fire detection and suppression systems.
- 19-21 March: Licence Condition 4, 5, 7, 35 and 36 compliance inspection.
- 11-12 April: Licence Condition 9, 10 and 12 compliance inspection.
- 9 May: Observed the Radsafe demonstration exercise.

## 2 ROUTINE MATTERS

### 2.1 Inspections

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

- the conditions attached by ONR to the nuclear site licence granted under the Nuclear Installations Act 1965 (NIA65) (as amended);
- the Energy Act 2013
- the Health and Safety at Work 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 licensee's actions on the site in relation to incidents, operations, maintenance, projects, modifications, safety case changes and any other matters that may affect safety. The licensee 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 this period, routine inspections of Wylfa covered the following:

- examination, maintenance, inspection and testing;
- management of operations including control and supervision;
- staff training, qualifications and experience;
- modifications to plant, equipment and safety cases;
- plant construction and/or commissioning;
- emergency preparedness;
- radiological protection;
- radioactive waste management;
- decommissioning;
- organisational changes;
- quality assurance and records;
- industrial safety;

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 the site inspector 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.

### Radsafe Demonstration Exercise Anglesey

The Carriage of Dangerous Goods and use of Transportable Pressure Equipment Regulations (CDG) Schedule 2 requires consigners to have suitable emergency arrangements for dealing with accidents involving the transport of radioactive materials. Magnox Limited complies with this requirement and uses the Radsafe scheme, of which it is a member, as part of its emergency arrangements.

ONR inspectors observed Radsafe demonstration exercise “Anglesey”, a safety exercise designed to demonstrate the effectiveness Wylfa site’s Radsafe transport related emergency arrangements. The inspectors judged that Magnox Limited successfully demonstrated compliance with its arrangements for dealing with a Radsafe emergency. During the site de-brief ONR confirmed that only minor areas for improvement it identified had also been identified by the site staff.

## **2.2 Other work**

The site inspector held a periodic meeting with safety representatives, to support their function of representing employees and receiving information on matters affecting their health, safety and welfare at work.

## **3 NON-ROUTINE MATTERS**

Licensees are required to have arrangements to respond to non-routine matters and events. ONR inspectors judge the adequacy of the licensee’s response, including actions taken to implement any necessary improvements.

The International Nuclear and Radiological Event Scale (INES) is a notification system for communicating information on the safety significance of events involving sources of radiation, promptly and consistently. Its purpose is to facilitate communication between the technical community, the media and the public. It covers a wide spectrum of practices, including industrial and medical use of sources, activities at nuclear installations, and the transport of radioactive material. The INES scale ranges from 0 (no safety significance) to 7 (major accident).

During the reporting period Magnox Limited notified ONR of an incident rated as Level 1 on INES (an anomaly). The incident, involving the incorrect fitting of a secondary seal on an irradiated fuel transport flask, did not result in leakage or escape of radioactive material. Magnox Limited reported that this was a repeat event and has taken immediate action to prevent reoccurrence. The ONR site inspector was satisfied with the steps taken and will consider if further regulatory action is warranted when Magnox Limited has completed its review into the event.

## **4 REGULATORY ACTIVITY**

ONR 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.

No Licence Instruments or Enforcement Notices were issued by ONR during the period.

## 5 NEWS FROM ONR

For the latest news and updates from ONR visit the website and sign up for our ebulletin (<http://www.onr.org.uk/ebulletin/index.htm>).

In January 2018, ONR received the results of its first external stakeholder survey which was undertaken by YouGov on behalf of ONR. A broad range of stakeholders were invited to participate in an online survey, with 351 responses received. In addition to the online survey, a number of in depth interviews were also completed with stakeholders. While overall the results demonstrate ONR is seen as a high performing organisation with good levels of stakeholder confidence, there are areas where improvements can be made and we will be working with our divisions on those in the coming months. Further details about the survey results can be found in our March 2018 newsletter which is available on ONR's website.

In February 2018, ONR held its first webinar following the publication of the 'Guide to enabling regulation in practice.' Chief Nuclear Inspector, Mark Foy and Deputy Chief Inspector, Mike Finnerty, were on hand to answer questions about the guide which has been designed to illustrate working examples of enabling regulation in practice. This is a new channel of communication for ONR and we'll be holding further webinars on different topics over the coming months. If you would like to join future webinars then please get in touch with the ONR Communications team via [contact@onr.gov.uk](mailto:contact@onr.gov.uk)

In March 2018, ONR held the first of two meetings this year with representatives from across the NGO community. Held in Birmingham, the meeting was attended by 15 NGO representatives from 11 different organisations. Topics discussed included: Domestic Safeguards pending the withdrawal of the UK from Euratom; Emergency Planning Arrangements; and the ONR Stakeholder Survey results. The next meeting is scheduled to take place in October 2018. We are keen to increase the number of people engaging with ONR on nuclear safety and security issues and would like to invite members of SSGs, and LLCs to join our engagement programme. For more details please get in touch via [contact@onr.gov.uk](mailto:contact@onr.gov.uk)

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## Y Swyddfa Rheoleiddio Niwclear (ONR) Adroddiad Safle Wylfa

Adroddiad ar gyfer y cyfnod 1 Ionawr – 31 Mai 2018

### Rhagair

Cyhoeddir yr adroddiad hwn fel rhan o ymrwymiad ONR yn sicrhau bod gwybodaeth am weithgareddau arolygu a rheoleiddio yn ymwneud â'r safle a sonnir uchod ar gael i'r cyhoedd. Dosbarthir adroddiadau i aelodau SSG (Grŵp Rhanddeiliaid Safle) Wylfa ac maen nhw hefyd ar gael ar wefan ONR

(<http://www.onr.org.uk/llc/>).

Fel arfer bydd arolygwyr safle ONR yn mynd i gyfarfodydd SSG lle cyflwynir yr adroddiadau hyn a byddant yn ymateb i unrhyw gwestiynau a godir yno. Dylai unrhyw un sydd yn dymuno ymholi am faterion a drafodir yn yr adroddiad hwn gysylltu â'r ONR.

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## 1 AROLYGIADAU

### 1.1 Dyddiadau arolygu

Cyflawnwyd arolygiadau gan arolygwr safle diogelwch ONR, gydag arolygwyr arbenigol ONR, ar y dyddiadau canlynol yn ystod y cyfnod adrodd:

- 12-14 Chwefror: Arolwg o systemau canfod ac atal tân yn adeilad yr adweithydd.
- 19-21 Mawrth: Amod Trwydded 4, 5, 5, 35 a 36 arolwg cydymffurfio.
- 11-12 Ebrill: Amod Trwydded 9, 10 a 12 arolwg cydymffurfio.
- 9 Mai: Wedi dilyn ymarfer dangos Radsafe.

## 2 MATERION ARFEROL

### 2.1 Arolygiadau

Cynhelir arolygiadau ar y safle fel rhan o'r broses monitro cydymffurfiaeth â'r canlynol:

- yr amodau a atodir gan ONR i'r drwydded safle niwclear a roddwyd o dan Deddf Safleoedd Niwclear 1965 (NIA65) (fel y diwygiwyd);
- Deddf Ynni 2013
- Deddf Iechyd a Diogelwch yn y Gwaith 1974 (HSA74);
- rheoliadau a wnaed o dan HSA74, er enghraifft Rheoliadau Ymbelydriadau Ïoneiddio 1999 (IRR99) a Rheoliadau Rheoli Iechyd a Diogelwch yn y Gwaith 1999 (MHSWR99).

Mae'r arolygiadau yn cynnwys monitro gweithredoedd y trwyddedai ar y safle yn gysylltiedig ag unrhyw ddigwyddiadau, gweithrediadau, gwaith cynnal a chadw, prosiectau, gwaith addasu, newidiadau achosion diogelwch ac unrhyw faterion eraill a allai gael effaith ar ddiogelwch. Mae'n ofynnol i'r trwyddedai wneud trefniadau digonol a'u rhoi ar waith o dan yr amodau a atodir i'r drwydded er mwyn sicrhau cydymffurfiaeth gyfreithiol. Mae arolygiadau yn ceisio barnu digonolrwydd y trefniadau hyn a'u gweithredu.

Yn y cyfnod hwn, cynhwysodd arolygiadau rheolaidd safle Wylfa y canlynol:

- gwaith archwilio, cynnal a chadw, arolygu a phrofi;
- rheoli gweithrediadau gan gynnwys rheoli a goruchwyllo;
- hyfforddiant, cymwysterau a phrofiad staff;
- addasiadau i offer, cyfarpar ac achosion diogelwch;
- adeiladu ac/neu gomisiynu offer;
- parodrwydd am argyfwng;
- diogelwch radiolegol;
- rheoli gwastraff ymbelydrol;
- datgomisiynu;
- newidiadau trefniadol;
- sicrwydd ansawdd a chofnodion;
- diogelwch diwydiannol;

Yn gyffredinol, barnodd ONR fod y trefniadau a wnaed ac a weithredwyd gan y safle mewn ymateb i'r gofynion diogelwch yn ddigonol yn y meysydd a arolygwyd. Er hynny, lle ystyriwyd bod angen gwelliannau, gwnaeth y trwyddedai ymrwmiadau boddhaol i drafod y materion, a bydd yr arolygwr safle yn monitro cynnydd yn ystod ymweliadau'r dyfodol. Os oes angen, bydd ONR yn cymryd camau gorfodi rheoleiddiol ffurfiol i sicrhau y gweithredir mesurau unioni yn ôl amserlenni rhesymol ymarferol.

### Ymarfer Dangos Radsafe Ynys Môn

Mae'r Rheoliadau Cludo Nwyddau Peryglus a Defnydd o Gyfarpar Pwysedd Cludadwy (CDG) Atodiad 2 yn ei gwneud yn ofynnol i'r anfonwr gael trefniadau parodrwydd am argyfwng wrth drin â damweiniau yn ymwneud â chludo deunyddiau ymbelydrol. Mae Magnox Limited yn cydymffurfio â'r gofyn hwn a defnyddio cynllun Radsafe, a yw'n aelod ohono, fel rhan o'i drefniadau parodrwydd am argyfwng.

Gwylodd arolygwyr ONR ymarfer dangos Radsafe "Ynys Môn", sef ymarfer diogelwch wedi'i gynllunio i ddangos effeithiolrwydd trefniadau parodrwydd am argyfwng Radsafe ar safle Wylfa. Barnodd yr arolygwyr fod Magnox Limited wedi dangos cydymffurfiaeth llwyr â'i drefniadau am drin ag argyfwng Radsafe. Yn ystod clywed adroddiad am y safle, cadarnhaodd yr ONR iddynt weld meysydd leiaf am welliannau ac oedd hefyd wedi cael eu gweld gan staff y safle.

## **2.2 Gwaith arall**

Cynhaliwyd cyfarfod cyfnodol rhwng yr arolygydd safle a'r cynrychiolwyr diogelwch, i gefnogi eu swyddogaeth am gynrychioli cyflogaion a derbyn gwybodaeth am faterion sy'n cael effaith ar eu hiechyd, diogelwch a lles yn y gwaith.

## **3 MATERION ANARFEROL**

Mae'n ofynnol i drwyddedai gael trefniadau i ymateb i faterion a digwyddiadau anarferol. Bydd arolygwyr ONR yn barnu digonolrwydd ymateb y trwyddedai, gan gynnwys unrhyw gamau a gymerir i weithredu unrhyw welliannau sydd eu hangen.

Mae'r 'International Nuclear and Radiological Event Scale' (INES) yn system hysbysu ar gyfer cyfathrebu gwybodaeth am bwysigrwydd diogelwch mewn digwyddiadau yn cynnwys ffynonellau ymbelydredd, yn brydlon ac yn gyson. Pwrpas y system yw hwyluso cyfathrebu rhwng y gymuned dechnoleg, y cyfryngau a'r cyhoedd. Mae'n cynnwys ystod eang o ymarferion, gan gynnwys defnyddio ffynonellau ar gyfer defnydd diwydiannol a meddygol, gweithgarwch mewn safleoedd niwclear, a'r cludo deunyddiau ymbelydrol. Mae graddfa INES yn mynd o 0 (dim pwysigrwydd diogelwch) i 7 (damwain difrifol).

Yn ystod y cyfnod adrodd, hysbysodd Magnox Limited i ONR am ddigwyddiad wedi'i ystyried fel lefel 1 ar raddfa INES (eithriad). Ni wnaeth y digwyddiad, yn ymwneud â ffitio sêl eilaidd yn anghywir ar fflag arbelydru cludiant tanwydd, arwain i deunyddiau ymbelydrol wedi'u colli neu dianc. Adroddodd Magnox Limited fod hyn yn ailddigwyddiad ac maen nhw wedi gweithredu yn syth i atal yr un peth rhag ddigwydd eto. Roedd Arolygwr Safle ONR yn fodlon gyda'r camau a gymerwyd a bydd yn ystyried a oes angen gweithredu rheoleiddiol bellach unwaith mae Magnox Limited wedi cwblhau ei adolygiad am y digwyddiad.

## 4 GWEITHGARWCH RHEOLEIDDIOL

Gall ONR gyflwyno dogfennau ffurfiol i sicrhau cydymffurfiad â gofynion rheoleiddiol. O dan amodau trwydded safle niwclear, mae ONR yn cyhoeddi dogfennau rheoleiddiol, sydd naill ai yn caniatáu gweithgaredd neu'n mynnu bod weithredu o'r fath yn digwydd; fel rheol gelwir rhain yn 'Offerynnau Trwydded' (LIs), ond maent yn ymddangos mewn ffurfiau eraill weithiau. Ar ben hynny, gall arolygwyr gyflwyno Hysbysiadau Gorfodi i sicrhau gwelliannau i ddiogelwch.

Ni chyflwynwyd LIs na Hysbysiad Gorfodi yn ystod y cyfnod.

## 5 NEWYDDION GAN ONR

Ar gyfer newyddion a diweddariadau mwyaf diweddar gan ONR, ewch i'r wefan a chofrestru ar gyfer ein e-bwletin (<http://www.onr.org.uk/ebulletin/index.htm>).

Yn Ionawr 2018, derbyniodd ONR ganlyniadau ei arolwg rhanddeiliaid allanol cyntaf. Cynhaliwyd yr arolwg gan YouGov ar ran ONR. Gwahoddwyd ystod eang o randdeiliaid i gymryd rhan mewn arolwg ar-lein, a derbyniwyd 351 o ymatebion. Yn ychwanegol at arolwg ar-lein, cynhaliwyd nifer o gyfweiliadau trylwyr gyda rhanddeiliaid. Ar y cyfan, dengys y canlyniadau fod ONR yn cael ei gweld fel sefydliad sy'n perfformio yn uchel gyda llawer o hyder gan rhanddeiliaid, ond mae 'na meysydd lle mae angen gwelliannau a byddwn ni'n gweithio ar rhain gyda'n rhaniadau dros y misoedd nesaf. Gellir gweld canlyniadau'r arolwg yn ein cylchlythyr Mawrth 2018 sydd ar gael ar wefan ONR.

Yn Chwefror 2018, cynhaliodd ONR ei gweminar gyntaf yn dilyn y cyhoeddiad 'Guide to enabling regulation in practice.' Roedd Prif Arolygydd Niwclear, Mark Foy, a'r Dirprwy Brif Arolygydd, Mike Finnerty, ar gael i ateb cwestiynau am y ganllaw a chynlluniwyd i ddangos enghreifftiau gweithredol o alluogi rheoleiddio yn ymarferol. Mae hyn yn ddull newydd cyfathrebu ar gyfer ONR a byddwn ni'n cynnal gweminarau bellach ar bynciau gwahanol dros y misoedd nesaf. Os hoffech ymuno â gweminarau'r dyfodol, yna gysylltwch â'r Tîm Cyfathrebu ONR drwy e-bost [contact@onr.gov.uk](mailto:contact@onr.gov.uk)

Yn Mawrth 2018, cynhaliodd ONR yr cyntaf o ddau gyfarfod eleni gyda chynrychiolwyr ar draws cymuned NGO. Wedi'i gynnal yn Birmingham, aeth rhyw 15 o gynrychiolwyr NGO i'r cyfarfod o 11 sefydliad gwahanol. Trafodwyd y pynciau canlynol: Amddiffyniadau Gwladol hyd at ddiddymu'r DU o Euratom; Trefniadau Parodrwydd am Argyfwng; a'r canlyniadau Arolwg Rhanddeiliaid ONR. Mae'r cyfarfod nesaf wedi'i drefnu ar gyfer Hydref 2018. Rydym yn awyddus i godi'r nifer o bobl mewn trafodaeth ag ONR am ddiogelwch niwclear a materion diogelwch a hoffem ymestyn gwahoddiad i aelodau'r SSG, a'r LLCs i ymuno â'n rhaglen ymgysylltu. Am ragor o fanylion, cysylltwch â ni drwy e-bost [contact@onr.gov.uk](mailto:contact@onr.gov.uk)

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Cyhoeddir y ddogfen hon gan y Swyddfa Rheoleiddio Niwclear (ONR). I gael rhagor o wybodaeth am ONR, neu i adrodd am anghysondebau neu wallau yn y cyhoeddiad hwn, ewch i <http://www.onr.org.uk/feedback.htm>.

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Cyhoeddwyd 06/18

*Ar gyfer dogfennau cyhoeddedig, mae'r copi electronig ar wefan ONR yn aros fel y fersiwn mwyaf cyfredol sydd ar gael i'r cyhoedd ac mae copïo neu argraffu'r ddogfen yn golygu nad yw'r ddogfen hon wedi'i rheoli.*