



Sizewell A & B Stakeholder Group Meeting & AGM

Venue: Sizewell Sports & Social Club, King Georges Avenue, Leiston IP16 4JX

Wednesday 1st November 2023

17:30 Hot food served for 18:30 meeting start.

AGENDA

1. **Welcome** - Apologies for absence and declarations of interest.
2. **Call for any late nominations** - for role of Chair/Vice Chair
3. **SIZEWELL B REPORTS**
 - a. Robert Gunn (Station Director, EDF)
 - b. Daniel Gregory (Site Inspector, Office for Nuclear Regulation)
 - c. Alex Lord (Environment Agency)
4. **SIZEWELL A REPORTS**
 - a. Sohail Ashraf (Site Director, Magnox)
 - b. Andrew Bull (Site Inspector, Office for Nuclear Regulation)
 - c. James Heavingham (Environment Agency)
5. **MAGNOX CORPORATE UPDATE**
 - a. Bill Hamilton (Magnox)
6. **NDA REPORTS**
 - a. Simon Napper (NDA)
7. **Matters arising** and questions from minutes and action tracker:
 - a. Minutes and actions of meeting held on 29 June 2023
 - b. Other matters or correspondence received
8. **Chair & Vice-Chair Report**
9. **Review of Constitution** and call for and confirmation of co-opted & representative Members.
10. **Election of Chair and Vice Chair**

This item will be facilitated by the Secretariate if more than one nomination is received.

 - a. Election to the role of Chair (including verbal statements and paper ballot)
 - b. Election to the role of Vice-Chair (including verbal statements and paper ballot).
 - Suggested 2024 dates for main reporting meetings: Wed 17th Jan, Wed 22 May, Wed 18th Sep.
 - Specific subject matter subgroups to be called if required - Dates TBC

Sizewell Stakeholder Group

Sizewell B report – November 2023

Sizewell B report – November 2023

1. Safety performance and staffing

Station Safety Performance

We measure our safety performance against top tier indicators, including nuclear reportable events, environmental events, and staff and contract partner recordable injuries.

During the period of the report there have been:

- No recordable injury
- No nuclear reportable incidents
- No environmental incidents

Staffing at Sizewell B

We currently have **572** EDF staff this includes **18** Apprentices, **2** Industrial placements, **2** Technical Trainees and **11** Visitor Centre staff and **250** year round contracting partner's. **6** new apprentices joined us in August.

Long Term Operations programme

EDF is fully committed to progressing the work required to extend Sizewell B out to 2055. As well as finalising the technical case, we will be seeking greater cost certainty and confidence in the long term commercial case to enable a final investment decision.

To support this programme of work we will be increasing our headcount by 10% and work is progressing well with preparations and planning to date.

2. Station Performance - Operations

Sizewell B has operated at around full capacity during this period providing low carbon electricity to over two million homes.

Sizewell B Refuelling Outage 2024

Sizewell B power station will be brought offline on 06 October 2024 to begin its nineteenth refuelling and maintenance outage, as planned.

During the outage period, which is expected to last 60 days, they will carry out over 14,000 separate pieces of work which have been carefully planned during the last two years.

World Association of Nuclear Operators (WANO) Peer Review

Sizewell B WANO Peer Review will run for three weeks in October.

A peer review is one of WANO's programmes that helps utilities maximise their safety and reliability by comparing themselves against standards of excellence through a review of their operations by an independent team.

3. Sizewell B and community news

Relocated facilities update

Sizewell B Relocated facilities project has reached a milestone as the installation of the steelwork structure of the new training facility is completed. The six week program of works carried out by Norfolk based company Wall Engineering, working for Barnes construction.

Negotiations for utilisation of land within Sizewell A in preference to Pill Box Field, are progressing well and EDF is close to being able to secure the land. In the meantime NDA have commenced the statutory de-designation process which is an important part of the transaction's critical path. (de-designation is a process required by statute to remove the land from its decommissioning designation.)

EDF are working with Magnox to re-licence the land.

Construction of new land management facility near the Emergency Response Centre, Sizewell Halt

EDF will be building a new land management facility near the existing Emergency Response Centre (ERC) at Sizewell Halt. The facility will be a single story building containing office space, a meeting room, storage area, welfare facilities and a maintenance workshop, with parking. The facility will be used by EDF's land management team and contractors from Freedom who have been with us for many years.

There will be approximately 6 people using the facility for general office work and for storage and maintenance of the land management equipment and vehicles, which are used for managing the Sizewell Estate land. The new facility will replace the existing land management base at Upper Abbey Farm.

The new building is to be constructed with functionality and sustainability at the forefront of its design. It is proposed to be a timber frame structure to the office element of the building with steel frame portal frame to the rear. It will be timber clad with a sedum (living green) roof. Eco-friendly fixtures and fittings will be installed with emphasis on providing heating and hot water efficiently.

Subject to the contractor appointment process, construction of the facility is currently scheduled later this year.

Approved planning application can be viewed via East Suffolk Council website: [DC/22/4608/FUL](#)

Sizewell B hosts successful 'Bring your child to work day'

Sizewell B Visitor Centre hosts two events for employees and their children during the summer school holidays; 'Bring your child to work day'.

The aim of the days is to introduce the children to the workplace and the world of work, providing them with an insight into the nuclear industry, what it looks and feels like to work on a power station and a working day in the life of their parent – over 100 children with their parents attended the events.

The day involved a safety and security briefing, an exclusive visit to the Main Control Room training simulator followed by a guided tour of the power station, then spending the rest of the day with their parent at their place of work.

Sizewell B wows the next generation with the world of work

Sizewell B has hosted local students to provide work experience before they leave school and college for the summer holidays.

Forty local students enjoyed a diverse range of activities. Gavin Rousseau, Plant Manager for Sizewell B, welcomed a cohort of students to the power station. He shared his story with them over bacon sandwiches, how he was once in their shoes, studying in Leiston looking for his break and decided to apply for an apprenticeship at the operating power station.

The students working at Sizewell B are from local secondary schools and colleges in the region; Alde Valley Academy, Thomas Mills High School, Sir John Leman, Northgate, Debenham, Kesgrave, Suffolk One and Framlingham College.

Sizewell B has welcomed over 75,000 visitors to the power station since 2012 and has an active programme of work experience placements so local young people can experience what work is like and have a chance to see how the power station quietly delivers low carbon power for over 2.5m homes.

Gavin told the latest cohort of students: “People here have sat where you are today, be bold and go for what you want, we need a diverse workforce with a range of ideas. It means a lot to us at Sizewell that you have chosen to come here and it’s a highlight in my job that I get to meet great people like you.”

Science in the summer holidays

Hundreds of children have visited Sizewell B with their families over the summer holidays to take part in free science themed activity fun days.

- Thursday 27 July: Movement - planes, cranes, trains & automobiles
- Monday 07 August: Science and nature - the world around us
- Tuesday 15 August: Science and the sea - waves, sea-life
- Thursday 24 August: Science lab - day of experiments

The visitor centre summer activity events have taken inspiration from science and the nature around us. The themed days included “science and the sea” where the children looked at materials that can float, “science and nature” they explored mini creatures with a magnifying glass and the life cycle of a butterfly as well as creating woodland collages from foraged materials and during the “movement” event they looked at forces and how vehicles move, with the children constructing and operating diggers, aiming to inspire the next generation in preparation for Sizewell C.

The final event saw a science experiment day, Lab coats were at the ready, making a potion to fizz, rockets to launch and constructing the strongest bridge.

4. Company News

Defueling success as first reactor fuel free at Hunterston B in Scotland

A key milestone has been successfully met in the first phase of decommissioning the UK's fleet of seven Advanced Gas-cooled Reactor (AGR) nuclear power stations.

The defueling of the first reactor at Hunterston B has been completed, on time and on budget. Reactor 3, as it is known, was defueled in 16 months with work due to start shortly on the station's second reactor.

The aim is to have the second reactor defueled and all spent fuel sent to Sellafield by mid-2025, prior to transfer of site ownership to the Nuclear Decommissioning Authority (NDA) in 2026. The NDA's subsidiary, Magnox, is accountable for the long-term decommissioning of the AGRs and EDF is working closely with them on plans for the seamless transfer of Hunterston B in a timely manner.

The AGR stations are currently forecast to stop generating in 2028, though EDF will continue to review lifetimes to ensure the four generating stations can continue to support the UK's energy security for as long as it is safe and commercially viable to do so.

Over the last 50 years, the seven AGR power stations have generated more than 1,800TWh of zero carbon electricity, enough to power every UK home for more than 16 years. The carbon avoided by using nuclear instead of gas stations is equal to nine years of UK car emissions. Tens of thousands of jobs have been supported and communities across the UK have benefitted.

Contacts:

Marjorie Barnes, Head of Regional External Affairs
Tel: 07515295488, 01728 653378
Email: Marjorie.barnes@sizewellc.com

Niki Rousseau, Community Relations
Tel: 01728 653258
E-mail: niki.rousseau@edf-energy.com



Office for
Nuclear Regulation

ONR Site Report

EDF Energy NGL – Sizewell B

ONR Site Report

EDF Energy NGL - Sizewell B

Report for period: 1 April – 30 June 2023

Authored by: D Gregory, Nominated Site Inspector

Approved by: M Webb, Head of Regulation

Issue No.: 1

Publication Date: August 2023

ONR Record Ref. No.: 2023/48553

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 Sizewell SSG and are also available on the ONR website (<http://www.onr.org.uk/lrc/>).

Site inspectors from ONR usually attend Sizewell 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. Date(s) of Inspection

The ONR site inspector made inspections on the following dates during the report period 1 April – 30 June:

- 12 – 13 April
- 23 – 25 May
- 27 – 28 June

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 etc Act 1974 (HSWA74); and
- Regulations made under HSWA74, for example the Ionising Radiations Regulations 2017 (IRR17) and the Management of Health and Safety at Work Regulations 1999 (MHSWR99).

The inspections entail monitoring the 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 Sizewell B covered the following:

- Staff training, qualifications and experience;
- Emergency exercises and review meetings.

Staff training, qualifications and experience

The site inspector, accompanied by a specialist inspector in the field of probabilistic safety assessment (PSA), considered the process and procedures in place for developing and delivering training for a number of activities:

- Reactivity management.
- The use of RiskWatcher, the site's PSA tool.
- Management of ageing and obsolescence in control and instrumentation systems.
- Visual inspection undertaken to demonstrate compliance with the American Society of Mechanical Engineers (ASME) design code for nuclear pressure vessels.

By examining documentation and speaking to a variety of operators, maintenance personnel and nuclear safety group staff we determined that:

- Training needs associated with reactivity management (including the need for ongoing or refresher training) have been documented, and post holders have received the relevant training and have any necessary follow-up training scheduled.
- Training needs associated with the use of RiskWatcher were well identified, and the relevant training delivered, for shift managers and control room supervisors, and for nuclear safety group users. However, we did observe some shortfalls in the definition and recording of training for reactor operators and work week managers. In practice, those individuals had received appropriate training but the process for delivering this training is not formalised. We raised a regulatory issue for the licensee to address this shortfall.
- Training for ageing and obsolescence management and as-found condition recording has been developed and is being delivered to relevant engineering and maintenance staff across the site.
- The specific requirements of ASME for the training of individuals undertaking visual inspections have been captured in the licensee's procedures. Staff undertaking such inspections during the most recent refuelling outage could demonstrate that they had received the appropriate training.

Emergency exercises

An ONR inspection team observed and assessed Sizewell B's annual emergency exercise. The scenario involved a significant steam leak, failure of the main steam isolation valve and subsequent fuel failure resulting in an off-site release. In its response, the licensee:

- Established its on and off site command centres;
- Assessed the plant conditions and terminated the steam leak in a timely manner;
- Located, assessed, rescued and treated four casualties;
- Completed a full site muster, accounting for site personnel in a timely manner and
- Made appropriate declarations, escalating to off-site nuclear emergency.

Some areas for improvement were identified, associated with:

- A sense of urgency throughout the command chain;
- Systematic casualty assessment and handling and
- Management of high ambient temperatures.

Overall we were satisfied that the exercise objectives and performance indications were largely met and that the exercise was an adequate demonstration of the Sizewell B's arrangements.

Members of the public, who would like further information on ONR's inspection activities during the reporting period, can view site Intervention Reports at www.onr.org.uk/intervention-records on our website www.onr.org.uk.

Should you have any queries regarding our inspection activities, please email contact@onr.gov.uk.

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.

There were no such matters or events of significance during the period.

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 take a range of enforcement actions, to include issuing an Enforcement Notice.

The following LIs, Enforcement Notices and Enforcement letters have been issued during the period:

- Consent 561. Sizewell B's operating cycle lasts approximately 18 months, after which it is required to shut down so that it can be refuelled. When refuelling is undertaken, some of the fuel assemblies (about one-third) are replaced with new ones. The existing fuel assemblies are returned to the core in a rearranged array to ensure optimum fuel utilisation.

To continue to operate safely and reliably, the reactor plant requires regular examination, inspection, maintenance and testing (EIMT). Continuous improvement also requires plant upgrades to be implemented where deemed to be reasonably practicable. While some of these activities can safely take place when the reactor is operating at power, many of them require the reactor to be shut down. The refuelling outages at Sizewell B provide the opportunity for undertaking such activities.

The requirement to shut down periodically for the purposes of EIMT is captured in LC 30. LC 30(1) states that 'when necessary for the purpose of enabling any examination, inspection, maintenance or testing of any plant or process to take place, the licensee shall ensure that any such plant or process shall be shut down in accordance with the requirements of its plant maintenance schedule referred to in Condition 28'. LC 30(3) further states that "The licensee shall, if so specified by ONR, ensure that when a plant or process is shut down in pursuance of paragraph 1 of this condition it shall not be started up again thereafter without the consent of ONR.'

The reactor at Sizewell B was shut down on 17 February, 2023, for its eighteenth refuelling outage, RO18. ONR carried out inspections throughout the outage. The inspections were carried out during the previous reporting period, but on the basis of those inspections, ONR issued LI 561 on 25 April 2023 to provide its consent to restart the reactor, in accordance with LC 30(3).

Table 1: Licence Instruments and Enforcement Notices Issued by ONR during this period

Date	Type	Ref. No.	Description
25/04/23	Consent	561	Consent to the start up of the Sizewell B reactor

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

5. News from ONR

For the latest news and information from ONR, please read and subscribe to our regular email newsletter 'ONR News' at www.onr.org.uk/onrnews.

6. Contacts

Office for Nuclear Regulation
Redgrave Court
Merton Road
Bootle
Merseyside
L20 7HS
website: www.onr.org.uk
email: Contact@onr.gov.uk

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Sizewell Sites Stakeholder Group Report

This report covers the Environment Agency's regulation of Sizewell A & Sizewell B nuclear sites and related issues for the period July to September 2023.

Our Regulation

We regulate radioactive waste disposals and discharges to the environment. We do this by placing limits and conditions in environmental permits, which helps us to ensure that radioactive waste discharges are minimised, and that the environment is protected. We carry out a variety of regulatory activities to check for compliance with our regulatory requirements, including site inspection, review of documents and arrangements and any reports of events.

Details of our assessments and any non-compliances identified are included in Radioactive Substances Compliance Assessment Reports (RASCARs), which are placed on our public register. See the 'further information' section at the end of this document to find out how to request documents from our public register.

We regulate and control other activities through our environmental permits, including surface water discharges to surrounding water bodies and emissions to air from emergency diesel generators. We are also the joint competent authority, alongside the Office for Nuclear Regulation (ONR), for the Control of Major Accident Hazard (COMAH) regulations that apply to Sizewell B.

Information on environmental permits and our regulation of the Sizewell sites can be found at: <https://www.gov.uk/guidance/sizewell-nuclear-regulation>

Site regulation

Sizewell A

We continue to hold monthly remote meetings with Magnox to discuss work taking place on site that could have an environmental impact, and we review quarterly discharge and environmental monitoring returns.

We have not carried out any site inspections in the period since the last SSG (19 June 2023). In September 2023 we will undertake an inspection of the management of both radioactive and non-radioactive solid wastes produced at Sizewell A. This will include reviewing the plans for the management of the non-radioactive waste that will be generated by the demolition of the Turbine Hall. Any significant findings will be reported at the next SSG meeting.

Sizewell B

Alongside our inspection programme, we have maintained bi-weekly telephone and regular email contact with EDF, and routine review of returns.

In July 2023 we carried out a post-outage inspection following Reactor Outage 18 (RO18). Whilst RO18 was an extended outage with significant work scope, it was routine from a waste perspective, with no novel or unexpected wastes generated. The larger volume low-level radioactive waste have been appropriately managed, which should facilitate its

prompt packaging and consignment for disposal. Waste areas seen were organised and well managed, and the controls and standards seen during the pre-outage inspection carried out in January had been maintained. Focus by the Environmental Support Group (ESG) and Environmental Compliance Coordinator (ECC) has increased environmental awareness among contractors, with a reduction in minor preventable environmental events during the outage. No non-compliances were identified but a number of regulatory observations and recommendations were made.

The one reportable environmental event during the outage was the electro-chlorination overdosing. This led to an exceedance of the Total Residual Oxygen (TRO) specified permit limit on the cooling water discharge, as reported in previous SSG reports. The event has been investigated by EDF and is being addressed by both engineered and human-factors solutions.

Enforcement

Sizewell A

In July 2023, we notified Magnox that we believed a CCS4 permit breach (meaning no potential environmental impact) had occurred. During our June 2023 inspection of the management and monitoring of gaseous and aqueous radioactive disposals, we noted a ventilation plant that had been taken out of service. The ventilation plant was labelled with a green tag, which are used to indicate functioning, environmentally significant equipment. The green tag should have been removed when the plant was not available. A subsequent investigation by Magnox found that the members of staff involved did not correctly follow the site procedure. This was a failure of the site's training system and procedural adherence, but as there was no reasonable foreseeable impact to the environment, a CCS4 permit breach was appropriate.

Magnox has agreed to review the procedure in question to ensure it clearly defines the responsibilities for removal of the green tag and complete refresher training on the importance of the green tag system for all relevant persons.

Sizewell B

As noted during the previous SSG meeting, we have been investigating a December 2021 event involving a leak of fluorinated refrigerant gas (F-gas) from a chiller unit at Sizewell B. The event was self-reported by EDF, who provided additional information during 2022. In June 2023 we determined that EDF had failed to maintain a leak detection system during the event and were therefore in breach of the F-gas regulations. We issued a Notice of Intent to impose a civil penalty to EDF, who have provided additional information for us to consider. Our enforcement panel will meet to determine if and what penalty to apply.

Environmental Permitting

Sizewell A

There have been no changes to Magnox's Sizewell A permits in the period since the previous SSG meeting. In the next year, we are expecting a joint partial permit transfer application from Magnox and EDF to transfer an area of land currently within the Sizewell A site boundary, known as the grid substation land, from Magnox to EDF's Sizewell B permit.

Sizewell B

There have been no changes to EDF's Sizewell B permits in the period since the previous SSG meeting. The above joint partial permit transfer application will seek changes to the EDF permit boundary for Sizewell B.

Discharge Reports

The sites' environmental permits require the operators to use Best Available Techniques (BAT) to manage their operations so that wastes are minimised along with their impacts on the public and wider environment. Disposal of wastes – as solids, liquids, or gases – can only be made via permitted routes or by transfer to permitted sites.

Magnox and EDF are required to report liquid and gaseous discharges to the environment to us on a regular basis. These reports are placed on the public register. We examine these reports and detail our assessment of their performance through RASCARs.

Sizewell A

At Sizewell A Magnox are required to report liquid and gaseous discharges to the environment to us on a quarterly basis, within 30 days of the end of the quarter. A report received in July 2023, covering the reporting period April to June 2023 (inclusive) showed that all liquid and gaseous discharges from Sizewell A were at levels well within permitted limits. On 13 June 2023, a discharge was made via the main radioactive effluent route, the first such discharge since April 2022. The aqueous discharge was less than 0.5% of the annual permitted limits for tritium, caesium-137 and other radionuclides.

Low volumes of treated effluent were discharged from the sewage treatment plant, which serves both Sizewell A and Sizewell B sites. The plant is managed by Magnox. Effluent is monitored at quarterly intervals for the presence of tritium or caesium-137. No radioactivity above limits of detection was reported in samples taken during the period covered in this report.

Gaseous discharges from Sizewell A are very low compared to when the site was operational (pre-2007). Gaseous discharges are fairly constant as the site's reactors are now “breathing” passively. This means there is no forced flow of air through the reactors and discharges follow a seasonal pattern across the year influenced by barometric pressure, and weather conditions.

Sizewell B

Liquid and gaseous discharges from Sizewell B have remained within permitted limits for the period April to June 2023 (inclusive), and returns were submitted to us within the required timescales. 12-month cumulative gaseous discharges of carbon-14 remained less than 64% of the annual limit, with other gaseous discharges less than 17% of respective annual limits. Liquid discharges were in-line with expected levels and remain less than 39% of the annual limit for tritium, and less than 10% for caesium-137 and other radionuclides.

Environmental Monitoring

We carry out sampling and analysis under our independent environmental monitoring programme, in association with the Food Standards Agency. The results of this work are published in our annual Radioactivity in Food and the Environment (RIFE) report. The Sizewell sites are considered together for the purposes of environmental monitoring.

The monitoring data for the calendar year 2021 was published in RIFE report 27 (RIFE 27) in November 2022, and can be found at:

<https://www.gov.uk/government/publications/radioactivity-in-food-and-the-environment-rife-reports>. For Sizewell, the total dose for the representative person was 0.016mSv in 2021, less than 2% of the government derived limit to protect members of the public. Levels of radioactivity found in the environment remain low.

In parallel to this programme, the operators are required to carry out their own programme of environmental monitoring and to submit the results of this programme to us on a periodic basis. This is carried out jointly by Magnox and EDF. We received the latest environmental monitoring report in June 2023, for the quarter January to March 2023. There were no reportable results during the period. The results continue to be consistent with our independent programme and do not indicate any other concerning results or trends. We make the information from both operator and our own environmental monitoring programmes available on our public register.

In August we received notification of a slightly elevated strontium-90 result from a sample of Southwold silt. Strontium-90 sampling is a requirement of the Sizewell A monitoring programme. The sample was taken in May 2023, before the recent Sizewell A aqueous discharge. Whilst the result remains low and below regulatory concern, the sample will be retested by the contract laboratory and we will review this matter further when the repeat result is received.

Sizewell C

On 28 March 2023 we issued three new environmental permits to NNB Generation Company Limited (now Sizewell C Ltd) for a new nuclear power station to be built at Sizewell. The permits will allow the operator to carry out radioactivity substances, combustion, and water discharge activities. More information can be found at: <https://www.gov.uk/government/consultations/sizewell-c-environmental-permits-for-a-new-nuclear-power-station>.

Sizewell C Ltd is now talking to us regarding permits it requires to carry out the construction of Sizewell C. We are planning a stakeholder event in November 2023 to discuss Sizewell C related issues.

Read our Sizewell engagement plan and sign up to join our 'meet the regulator' meetings. <https://www.gov.uk/government/publications/sizewell-c-engagement-plan/environment-agencys-engagement-plan-for-sizewell-cs-environmental-permits>.

Further Information

The Environment Agency's Nuclear Regulation Group (South) (NRG(S)) is responsible for the environmental regulation of radioactive waste disposals on or from nuclear licensed sites in southern England and Wales. We work closely with local Environment Agency teams as well as external bodies such as the Office for Nuclear Regulation.

The Environment Agency's Lead Regulators for Sizewell A and Sizewell B are James Heavingham and Alex Lord, respectively.

NRG(S) Address Environment Agency, Nuclear Regulation Group, Red Kite House, Howbery Park, Wallingford, Oxfordshire, OX10 8BD

customer service line 03708 506 506

floodline 03459 88 11 88

incident hotline 0800 80 70 60

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Email nrg.south@environment-agency.gov.uk

Local Office Address Environment Agency, Icen House, Cobham Road, Ipswich,
Suffolk, IP13 9JD

For regular updates on our work in regulating radioactive substances and nuclear sites visit our LinkedIn page:

<https://www.linkedin.com/showcase/regulating-radioactive-substances>

A public register service is available on the GOV.UK website at:

<https://environment.data.gov.uk/public-register/view/index>

Alternatively you can request access to public documents directly by contacting the Customers and Engagement Team in the Wallingford office. Please email:

WTenquiries@environment-agency.gov.uk

Further information on how we regulate different types of nuclear sites, and protect people and the environment is available on the GOV.UK website at:

<https://www.gov.uk/guidance/nuclear-sites-environmental-regulation>

Our enforcement and sanctions policy is publicly available on the GOV.UK website at:

<https://www.gov.uk/government/publications/environment-agency-enforcement-and-sanctions-policy/environment-agency-enforcement-and-sanctions-policy>

Our public participation statement on when and how we consult on permit applications is available here:

<https://www.gov.uk/government/publications/environmental-permits-when-and-how-we-consult>

UK Health Security Agency has placed guidance on ionising radiation dose comparisons on the GOV.UK website at:

<https://www.gov.uk/government/publications/ionising-radiation-dose-comparisons>



Office for
Nuclear Regulation

ONR Site Report

Magnox Ltd – Sizewell A

ONR Site Report

Magnox Ltd – Sizewell A

Report for period: 1 April – 30 June 2023

Authored by: J Rogers, ONR Nominated Site Inspector

Approved by: I Phillips, ONR Superintending Inspector – SDFW Division

Issue No.: 1

Publication Date: July 2023

ONR Record Ref. No.: 2023/38572

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 Sizewell Stakeholder Group and are also available on the ONR website (<http://www.onr.org.uk/llc/>).

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1. Inspections

1.1. Date(s) of Inspection

No inspections were carried out during the report period 1 April – 30 June 2023.

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 etc Act 1974 (HSWA74); and
- regulations made under HSWA74, for example the Ionising Radiations Regulations 2017 (IRR17) and the Management of Health and Safety at Work Regulations 1999 (MHSWR99).

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Members of the public, who would like further information on ONR's inspection activities during the reporting period, can view site Intervention Reports at www.onr.org.uk/intervention-records on our website www.onr.org.uk.

Should you have any queries regarding our inspection activities, please email contact@onr.gov.uk.

2.2. Other Work

During the period the ONR site inspector and ONR specialist inspectors attended a meeting with Magnox Ltd and their decommissioning principal contractor on site to discuss the use of a decommissioning technique not previously used at the site. ONR were content in principle with the proposal made and outlined the permissioning regime that would be adopted to regulate the safe use of the technique under discussion.

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.

There were no such matters or events of significance during the period.

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 take a range of enforcement actions, to include issuing an Enforcement Notice.

- No LIs, Enforcement Notices or Enforcement letters were issued during this period.

5. News from ONR

For the latest news and information from ONR, please read and subscribe to our regular email newsletter 'ONR News' at www.onr.org.uk/onrnews.

6. Contacts

Office for Nuclear Regulation
Redgrave Court
Merton Road
Bootle
Merseyside
L20 7HS
website: www.onr.org.uk
email: Contact@onr.gov.uk

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**MINUTES OF THE MEETING OF THE
SIZEWELL A & B STAKEHOLDER GROUP (SSG)
HELD AT SIZEWELL SPORTS & SOCIAL CLUB
THURSDAY 29 JUNE 2023**

Attendance/Apologies list

Attendance

Members

Marianne Fellowes
Pete Wilkinson
Trevor Branton
Joan Girling
Pat Hogan
Jenny Kirtley
Cllr Alistair Lumpkin
Janet Fendley
Cllr Bill Seale

Chair
Deputy Chair
Co-Opted Member
Co-Opted Member
Sizewell Residents Association
Chair of TASC
Aldeburgh Town Council
Friends of the Earth
Aldringham cum Thorpeness Council

Operators and Officers

Sohail Ashraf
Andrew Bull
John Carey
Cllr Tom Daly
Guy Esnouf
Bill Hamilton
James Heavingham
Phil Levermore
Karl Littlewood
Alex Lord
Simon Napper
John Rogers
Niki Rousseau
Sean Verrall
Matthew Dent
Edwina Tyrrell
Neal Evans

Site Director, SZA Magnox
ONR
Senior Facilities Manager Magnox
East Suffolk Council
Radioactive Waste Management
Director External Magnox
EA Inspector SZA
EHSS&Q Manager SZA & SZB Magnox
EA Inspector SZB
EA Nuclear Regulator, SZB
NDA
ONR Inspector, SZA
Communications, SZB
Technical & Safety Director, SZB
Minute Taker
Communications Assistant Internal Magnox
SCC Emergency Planning Officer

Members of the public

David Bailey
Mike Taylor

Apologies

David Cutler
Cllr Tony Cooper
Cllr Nicky Corbett
Daniel Gregory
Robert Gunn
John McNamara
Cllr Toby Hammond

Suffolk Police
Leiston Town Council
Leiston Town Council
ONR Inspector SZB
Station Director, SZB
NDA
Councillor for Bungay

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1. INTRODUCTION & APOLOGIES FOR ABSENCE AND DECLARATIONS OF INTEREST

4872

Marianne Fellowes welcomed the group to the meeting and reminded the attendees of the housekeeping rules. Emergency processes were explained.

Apologies for absence were received from David Cutler, Cllr Tony Cooper, Cllr Nicky Corbett, Daniel Gregory, Robert Gunn, John McNamara & Toby Hammond

2. SIZEWELL A REPORTS

4873

A. Sohail Ashraf (Site Director, Magnox)

Sohail Ashraf presented his report. There had been no reportable injuries or environmental incident. Relicensing work was taking place alongside EDF, the paperwork for which was being finalised. All being well by March 2024 handover would be completed.

On the movement of low level waste (LLW) items from Bradwell, all LLW items were now back at Sizewell and over the next three to six weeks sort and segregation would take place. It was believed the majority would be clean, but this could not be quantified until the sort and segregation.

Black redstart nest boxes had been installed, and chicks had been seen onsite demonstrating their success. There had also been a breeding pair of peregrine falcons, which also had chicks. In regard to the offshore structures, some work had taken place with Ørsted, the company behind the windfarms, to explore the viability of using them for their needs. Ultimately it was not compatible, so at present those structures were due for demolition 2035/36.

Stripping of residual asbestos was continuing in the turbine hall, with mobilisation of the deplant team now having started. This would go on well into 2024. An area on site was being identified for asbestos analysis to reduce footfall time.

Sohail Ashraf presented an informational video on the Bradwell site in terms of care and maintenance, as an example for Sizewell, and offered a tour of the Bradwell site.

There had been investment in trainees, with six radiological protection trainees starting soon, as well as two radiological protection apprentices and two engineering apprentices, one civil and one electrical. There was a funding allocation across all Magnox sites of just over £1 million. Year-end spend for 2023/24 as it stood was just over £500,000, including just £200 of multi-year projects. From a Sizewell perspective the big items were the Saxmundham Arts Centre allocated £90,000 over three years, as well as smaller projects with the library and Leiston Event Group.

Janet Fendley asked whether the blue container to be removed was radioactive. Sohail Ashraf explained it was in the radiological controlled area, but it was anticipated it would be clean. Janet Fendley asked whether Sizewell had been deemed storage for LLW. Sohail Ashraf stated it had not, and only hosted sort and segregation. It would leave either as LLW or as free release waste. Janet Fendley asked what the accredited disposal route was for LLW. Sohail Ashraf would come back with an answer. Guy Esnouf noted the LLW deposit in Cumbria was the home for most of the national LLW, but the government was consulting on different ways of classifying waste.

ACTION: Sohail Ashraf to bring back an answer regarding the accredited disposal route for LLW.

Alistair Lumpkin queried a reference to mid-level waste. Sohail Ashraf explained that there were four levels of waste: very low level, low level, intermediate level and high active. The intermediate level waste (ILW) was currently being stored at Bradwell. The final destination would be the geological disposal facility once agreed and built. Alistair Lumpkin asked how

safe it was to transport ILW from Sizewell to Bradwell compared to LLW. Sohail Ashraf stated the packaging used was tried and tested. Marianne Fellowes noted there was a handout which would be useful to Alistair Lumpkin as a new member of the SSG.

Pete Wilkinson noted that ILW was still dangerous. He queried, given SZA had diminishing radiological risk, why there was urgency to bring trainees and apprentices in on radiological issues. Sohail Ashraf explained that radiological safety still had to be managed and monitored. Over the next few years people would be retiring, and the programme for care and maintenance would run to 2038. Pete Wilkinson asked whether discussions were ongoing with the government about what would happen to IFW in the future. Sohail Ashraf said that the current focus was around moving IFW to Bradwell, and the NDA would be better positioned to talk about future strategy.

Marianne Fellowes noted there were a few recently approved schemes, including support for the local primary school and football team.

Cllr Tom Daly asked whether the trainees and apprentices would be sourced locally. Sohail Ashraf explained that the advert had gone out nationally, but the intention was to train and develop people within the local community.

Pat Hogan noted that the Ørsted structure was 'hideous' and there had been no consultation, and she asked Magnox not to hand the rigs to them. Sohail Ashraf could not comment on the Ørsted structure, but they had shared their learnings with Magnox. Joan Girling noted that the rig served for sewage and waste at SZA and SZB, and queried what would happen in relation to this when they were decommissioned. Sohail Ashraf stated that to his knowledge those lines had been capped off, and he would come back with confirmation.

ACTION: Sohail Ashraf to confirm the work to cap off the sewage and waste lines at the rigs.

Mike Taylor asked whether the water that would be used for dust suppression would be checked for any potential hazard. This was an outstanding question with SZC, but also applied to anyone potentially exposed to the water. Sohail Ashraf noted that the planned demolition was over a year away, and if suppression systems were needed then water testing would take place. Mike Taylor noted a blog claiming there were hazards to health from the dust and the water.

ACTION: Sohail Ashraf to explore the truth of a blog claiming hazards to health from dust and water.

4874

B. John Rogers (Site Inspector, Office for Nuclear Regulation)

John Rogers presented his report. On behalf of the SSG, Marianne Fellowes thanked John Rogers for his service and attending the SSG meetings. John Rogers explained that the ONR rotated nominated site inspectors every three to four years; he was being replaced by Dr Andrew Bull.

John Rogers noted three inspections. The first was around all Magnox sites, inspecting under the construction, design and management regulations. This was not specific to the nuclear industry but applied to construction activities across the UK. Some compliance shortfalls had been found, which were not uncommon, and a high-level meeting between the ONR and Magnox had taken place to explain findings and concerns. The second inspection was a routine inspection under the ionising radiation regulations. This inspection had been rated green and the feedback from inspectors had been positive. The final inspection had been around reporting and learning from anything out of the ordinary that happened. This inspection had also been rated green.

Pete Wilkinson stated there was no safe level of radiation dose, and even a green rating meant there was still a radiation dose. John Rogers explained that the rating system had been simplified from a 1 to 9 system to a RAG rating system. On the radiological side, the inspection was about compliance with the regulations.

4875

C. James Heavingham (Environment Agency)

James Heavingham presented his report. He explained he was new to the site and had taken over from Peter Reynolds. Engagement with the site was via monthly meetings and review of quarterly reporting to discharge of air and water, which remained consistently low. An environmental monitoring programme report was submitted jointly between SZA and SZB.

James Heavingham had undertaken an inspection of monitoring and management of gaseous and liquid radioactive waste discharge. This had focused on staff training, competency and resilience to manage discharges. James Heavingham had been impressed by the level of resilience on site. James Heavingham was putting together his post-inspection review of the documentation and providing his report to the site.

Cllr Tom Daly asked what the main environmental impacts were of discharges at present and into the future. James Heavingham noted that discharges at the moment were significantly below permit limits. As decommissioning continued it was anticipated that discharges might change, but monitoring would continue. Environmental impact was assessed via modelling when the permit was applied for. Cllr Tom Daly asked whether this was a desktop exercise. James Heavingham explained it was an initial desktop model reinforced by annual monitoring. Cllr Tom Daly asked whether sampling was done. James Heavingham confirmed it was as part of the site's environmental monitoring programme and the Environment Agency independent monitoring published annually.

Joan Girling queried how often the seawater was monitored for bacteriological, viral and radioactive discharge and pollution. James Heavingham said the Environment Agency only requested information on the radiological gaseous discharges. Marianne Fellowes noted there would be some crossover with East Suffolk District Council in terms of environmental monitoring.

Alistair Lumpkin expressed concern with the word 'discharge' and asked how the Environment Agency stopped nuclear discharge getting into seas and rivers. James Heavingham stated that 'disposal' was a more appropriate word than 'discharge'. James Heavingham explained that SZA had two tanks of 200m² each, of which one was in use at a time. Radiological liquid waste collected into those tanks, and when full it was sealed and tested prior to any release.

Pete Wilkinson asked whether there was health detriment from the discharges. James Heavingham explained that the Environment Agency did not have health experts and took advice from the UK Health Security Agency in setting of limits in the permits. Marianne Fellowes noted that the UKHSA had been invited to meetings but had been unable to attend. She suggested requesting a sub-group meeting at a date when the UKHSA would be able to attend.

Jenny Kirtley queried what would happen with the water tanks if there was any contamination. James Heavingham said it would not be permitted to be discharged into the sea, and alternative arrangements for disposal would fall to the site. Sohail Ashraf said it had never happened. Joan Girling queried the frequency of discharge into the sea and the process for notification. Marianne Fellowes asked James Heavingham to bring more information back on this.

ACTION: James Heavingham to bring back to the SSG further information on sea discharges.

3. MAGNOX CORPORATE UPDATE

A. Bill Hamilton (Magnox)

Bill Hamilton presented his report. The NDA had indicated in its last strategy two years previously that Magnox should be looking to shift its strategy away from blanket care and maintenance, as experience from Bradwell had shown that it was very expensive. The government and the NDA had tasked Magnox with investigating alternative decommissioning strategies.

Gwen Parry-Jones, the Magnox CEO, had moved to become the first interim chief executive of Great British Nuclear. Rob Fletcher had taken over as interim chief executive for nine months while a new permanent chief executive was recruited. Magnox was changing dramatically, and a rebranding exercise was underway.

The previous year Magnox had failed to spend £200,000 of the £1.2 million socioeconomic budget; however for the current year even by the end of June that money had been committed to community groups. The £6,000 ringfenced for Sizewell was still available.

Pete Wilkinson noted that the cost of waste from the previous generation of nuclear was getting higher, and costs were being cut at the expense of local communities. Pete Wilkinson believed the discussion would eventually turn to leaving waste on site to save on costs. Bill Hamilton did not agree. Janet Fendley expressed discontent that care and maintenance were being diluted with money to local communities to disguise this. Bill Hamilton disagreed.

Mike Taylor noted that EDF had not contributed to the nuclear liability fund. Marianne Fellowes clarified that it had previously been confirmed that EDF had contributed to the nuclear liability fund. Marianne Fellowes would recirculate this answer.

ACTION: Marianne Fellowes to recirculate the answer on EDF's contribution to the nuclear liability fund.

Pat Hogan expressed concern over rebranding and asked that Magnox not spend a significant amount on it. Bill Hamilton clarified that all the work was being done internally, and there would not be a rebranding of equipment and clothing.

4. NDA REPORTS

4877

A. Simon Napper (NDA)

Simon Napper presented his report. There would be no in-person stakeholder events this year, but later in the year there would be an online event. In-person regional events would be taking place, as some of the feedback had expressed a desire to know more about innovation and research. The NDA worked with countries around the world and was engaged in a trilateral with the US and Canada, as well as continuing work with France, to share best practice. Marianne Fellowes asked whether this also included medical and military nuclear. Simon Napper stated it was specifically civil nuclear.

5. NWS Update

4878

A. Guy Esnouf (Update on Geological Disposal Facility)

Pete Wilkinson declared an interest that he worked with Guy Esnouf .

Guy Esnouf presented his report. A policy of working with communities had been established in 2018, along with a framework around the GDF. The policy called for a suitable site and a willing community, and there would be a vote or representative poll to consult the community. There were four communities in question. There were six factors which had to be taken into account including safety and security, a willing community, engineering feasibility, environmental impact, transport, and value for money. The GDF would create around 4,000 jobs locally for around 175 years.

Pete Wilkinson asked about the reduction in size, scale and cost if it was just legacy waste being considered. Guy Esnouf said the calculations had not fully caught up and detail would be worked out in the next year.

Janet Fendley asked how in the far future people would know where the dangerous waste was buried. Guy Esnouf explained that the first step was to choose locations people were unlikely to go. Marianne Fellowes noted that there was definitely not an intention to allow for retrieval. She asked whether this rendered part of the seabed unusable for windfarms. Guy Esnouf clarified that a windfarm could be put on top of the GDF.

Trevor Branton asked whether the facility would be for spent fuel. Guy Esnouf confirmed this was once spent fuel was reclassified. Trevor Branton asked what proportion of the HMW[?] area would be taken up by spent fuel. Guy Esnouf would come back with an answer on this.

ACTION: Guy Esnouf to produce an answer on the proportion of the HLW area taken up by spent fuel.

Joan Girling queried the consultation process. Guy Esnouf explained that everyone on the electoral roll would be consulted. In terms of groups, it would be elected people, those representing businesses, and those representing other interests. If the people of an area said no, then that would be the end of the matter.

Cllr Tom Daly asked whether the £50 billion cost included the collection and transportation. Guy Esnouf said it was everything including closing. Cllr Tom Daly noted the cost that would put on nuclear megawatt/hour. Guy Esnouf noted it was factored into the bill of new nuclear costs. Marianne Fellowes asked whether this was up to the £50 billion mark. Guy Esnouf said there was no limit. Marianne Fellowes noted this was not shown in the per kilowatt. Guy Esnouf clarified this would be on the future production.

6. SIZEWELL B REPORTS

4879

A. Sean Verrall (Technical & Safety Director, EDF)

Sean Verrall presented his report. In the last six months there had been no reportable injuries, no nuclear reportable events and no environmental reportable events. It had been over 800 days since the last lost time injury. An inspection was anticipated from the Environment Agency regarding an event which had occurred two years previously regarding loss of refrigerant gas from a cooler.

A lot of apprentices and new recruits were being brought in, as well as increasing core headcount of EDF-employed staff on site. Marianne Fellowes emphasised the importance of getting the numbers, given the read-across to SZC.

The outage finishing in May had been the 18th refuelling outage and had been a big outage in terms of plant replacement and upgrade. When coming back from the outage one of the non-nuclear turbines had sprung a steam leak and had been taken offline for two days for safe repair. During the outage testing had been taking place to prove that mobile devices could safely be used around the plant. At the start of the outage three seals had been attracted into the forebay area. Work had been taking place with the Marine Wildlife Rescue charity in Lowestoft, and two had been successfully rescued. One was still in the forebay. It had not been discovered how they had got into the forebay.

Jenny Kirtley noted that a few months previously she had visited SZB and had not been allowed in some areas. However, there had been social media photos of a group called 'We Love Nuclear Waste' on the site. She challenged whether this was appropriate. Sean Verrall stated he did not have an issue with it. Marianne Fellowes noted she had raised previously the need for EDF and the regulators to challenge back on inaccuracies.

Jenny Kirtley asked about the container with the pinhole. Sean Verrall explained that this was subject to a safety case and was being monitored.

Pat Hogan noted on the outage that the residents had been very concerned at the speed of the traffic coming out of the junction. Sean Verrall stated that driving behaviours were taken seriously and would work to address it.

4880

B. Daniel Gregory (Site Inspector, Office of Nuclear Regulation)

Marianne Fellowes noted that apologies had been received from Daniel Gregory and invited any questions to be emailed to her to send in writing to him.

4881

C. Alex Lord (Environment Agency)

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Alex Lord presented his report. At the last SSG he had referenced an overdosing incident which had resulted in a water discharge authorisation permit breach and a CCS3 noncompliance notice had since been issued.

Janet Fendley queried the details of the noncompliance. Alex Lord explained, when the coolant water had been switched off, the hypochlorination plant had not been switched off.

7. EDF CORPORATE UPDATE

4882 Marianne Fellowes noted that there had been a request for SZC to attend, but it had refused to do so and had pointed questions to the office in town.

8. MATTERS ARISING FROM MINUTES AND ACTION TRACKER

4883 Marianne Fellowes stated that this could be done by email, but she would be happy to go through it line by line with anyone who wanted, either virtually or in person.

9. CHAIR AND VICE-CHAIR REPORT

4884 Marianne Fellowes noted that it might be worth considering meeting five times a year, in light of difficulties getting through the agenda.

10. ANY OTHER BUSINESS

4885 Marianne Fellowes thanked all present for their attendance. There being no other business, the meeting was closed.

Next Meeting date: Wednesday 20 September 2023.

Ref #	Brief description	Who	Update/comments and suggested STATUS
4610	Report sent to SA to be forwarded to PHE to comment re: impact of low level radiation on public health	PW	Public Health England was replaced by UK Health Security Agency and Office for Health Improvement and Disparities. East of England regional contact identified, awaiting reply to questions. OPEN
4611	Rimnet data at individual collection sites to be circulated to enable understanding.	EA	Information is published. EA requested to assist in obtaining local data per site. OPEN
4624	SZA land NDA to provide lease & freehold docs prior to meetings with Land team	J McN/NDA Land team	Presentations made at meetings in 2022 and 2023. Update June 2023 - Relicensing is progressing to enable land transfer. CLOSE
4657	Taishan – damage to fuel rods, circulate report when received	RG	We have no further information, when more information becomes available, we will share with the SSG - OPEN
4681	Future fuel storage and update by EDF Energy & attendance requested re: SZC overlap issues	Secretariat to invite	Request sent to EDF who declined to attend. OPEN.
4737	Clarification required on planning for SZB relocation facilities	Carolyn Barnes	EDF provided formal notice they were switching to the second relocated facilities consent (DC/20/4646/FUL) in July 2022, they will be implementing the second consent. EDF's letter of notification is on Public Access under DC/20/4646/FUL. A. There are currently two applications in relating to the Sizewell B relocated facilities application; reserved matters for the welfare and admin buildings (DC/22/2823/ARM) and a discharge of condition application (DC/22/2822/DRC) – both of which relate to the second relocated facilities application, the one EDF will be implementing. EDF are still awaiting a reserved matters application for the visitor centre, submission date not known. We currently have an application in for discharge of condition 12 in relation to landscaping to the west of the Western Access Road, which will likely be positively determined in the next few weeks (DC/22/5001/DRC – can be viewed on Public Access). EDF are progressing the second relocated facilities application (DC/20/4646/FUL) following notification of the switch from the first permission to the second permission in summer 2022. OPEN

4749	Clarification required - SZB regulators to respond in relation to fish monitoring requirements.	Peter Reynolds	The Environment Agency does not regulate the intake, but rather the discharge. Sizewell B is not required by its environmental permits to carry out ongoing monitoring of fish impingement or entrainment. EA do not undertake ongoing monitoring of fish impingement or entrainment, but the determination of permits and the DCO require assessment under the Habitats Regulations – as is being done for the prospective Sizewell C site. Information on fish impingement and entrainment at Sizewell B was collected by CEFAS on behalf of Sizewell C. CLOSE
4806	Investigate alternatives to plastic barriers	SA	SZA sustainability team are looking at other options to the plastic barriers with respect to the future. As other projects come into flight, the sustainability team will be liaised with in advance. CLOSE
4810	Request for presentation of the Turbine Hall demolition from Sohail.	SA	Presentation and Q&As sent and circulated. Team attended SSG meeting to present on progress. CLOSE for now and reopen when next milestones are approached.
4821	Request to arrange attendance at SSG/presentation by Nuclear Waste Services on the GDF and waste disposal	John McNamara	Guy Esnouf, the Director of Communications for NWS attended and presented at June 2023 meeting. CLOSE
4833	Request for Sohail to update on the new campaign for wet ILW.	SA	Sohail Ashraf to update on the wet ILW campaign Will ask the programme team to attend an SSG later in the year, or early next year. - OPEN
4835	Request for update on water and sewage output	Peter Reynolds	Answer questions regarding water and sewage output. OPEN
4846 (a)	Confirmation of future of DSL building and if this could be made available for community use.	SZB	District Survey Lab is on land owned and managed by EDF Energy Nuclear Generation Ltd. The building houses telecommunications systems that are still required for the foreseeable future. CLOSE

4846 (b)	Request for map of EDF estate, boundaries and indication of relocated facilities	SZB	Relocated Facilities maps provided. Upper Abbey Farm is not included. CLOSE
4846 (c)	Update on the Freedom Group maintenance plan for land	SZB	EDF's Land & Biodiversity Management Team, supported by Freedom Group, are responsible for managing the Sizewell B estate and SSSI. Freedom Group have been working with EDF fleet-wide, delivering 'environmental land management' since 2014. CLOSE
4846 (d)	RG to circulate weld inspection report to Members	SZB	SZBs last outage included a number of inspections: Stress Corrosion Cracking inspections; these are ultrasonic inspections of over 20 locations around the reactor coolant system to determine whether the phenomena experienced on some French reactors was relevant to Sizewell B. Structural Weld overlay; this involved a number of ultrasonic inspections of areas of pipework that had been subject to pre-emptive weld overlay, to demonstrate the quality of the welds. Follow-on inspections of the Thermal Sleeves that were replaced in the previous outage. In total around 500 inspections, ranging from visual, ultrasonic, eddy current, magnetic particle, dye-penetrant and radiographic inspections were conducted in the outage. All work was conducted by experienced and qualified inspectors. All inspection results were satisfactory and supported the return to service of the reactor for a further cycle of operation. The results were reported off-site to the ONR as part of our Safety Case to operate the plant for the next cycle, and ONR subsequently issued their formal consent to start-up based on their assessment of this case. CLOSE
4846 (e)	Update on health and management of seals, and actions to prevent reoccurrence	SZB	Two seals were released, one remains. Animal welfare agencies have advised regarding management. During outage drivers inspected but no obvious holes or reason could be found. CLOSE
4846 (f)	Confirmation of roof design for new response centre (green?)	SZB	Yes, sedum roof – see Sizewell B report. CLOSE

4846 (g)	Request to monitor and report back on additional light pollution – including from car park	SZB	Naomi Gould ES Planning team has discussed with ES Environmental team. Request that anyone with concerns documents and reports these. OPEN
4846 (h)	Chair to enquire of ESC regarding planning permission for soil heap area and lighting plan	SSG	Is included within DCO for SZC. ESC monitor. CLOSE
4846 (i)	Request for SZC to attend and update on relevant matters	ALL	EDF SZC has refused to attend. SZC Forum is currently not meeting. Individuals can go to the Office in Leiston or telephone any questions. OPEN
4847 (a)	DG to contact SZC colleagues regarding IRSN report to provide to Members.	DG ONR SZB	
4848 (a)	Chair to send instructions on how to join EA stakeholder list to Members	SSG	
4848 (b)	PW to forward BMJ article to EA Alex Lord, for EA comment	PW/EA	Provided. Awaiting comment.
4848 (c)	EA Inspector to provide information on the concentration levels in the disinfectant incident	EA	
4848 (d)	Request for update on desalination plant	EA/EDF	
4848 (e) and 4861 (b)	Request for link to report for RIMNET to be circulated again.	EA/NDA	
4857 (a)	Video of Bradwell site, how it managed its risk, requested.	SA	Will be provided at future SSG meeting.

4860 (a)	Subgroup to be held to review Gov consultation on radioactive waste management.	SSG/NDA	Awaiting information on plans to reclassify waste streams.
4861 (a)	Request for update on fish management at SZB and proposals for SZC	EDF SZB and SZC	
4868 (a)	SN to provide presentation and response regarding residual waste storage at next meeting	SN/RWM	
4873 (a)	Accredited disposal route for LLW from SZA?	Sohail Ashraf	
4873 (b)	Confirm the work to cap off the sewage and waste lines at the rigs.	Sohail Ashraf	
4873 (c)	Sohail Ashraf to explore the truth of a blog claiming hazards to health from dust and water	Sohail Ashraf	
4875	EA to provide further information re: sea discharges.	JH	
4876	Chair/Secretariate to recirculate the answer on EDF's contribution to the nuclear liability fund	MF	
4878	RWM to confirm % of HLW area at GDF would be allocated for Spent fuel	RWM	

CLOSED ACTIONS

Ref number	Brief description	Who responsible	Update/comments and suggested STATUS
4604 (3)	Are staff/contractors told about the Radiological Disease compensation scheme?	SA and RG	Yes, on the internet and also promoted by Magnox and Trade Unions. CLOSED
4604 (4)	What is SZA annual budget?	SA	NDA produce annual accounts, projects not necessarily site specific spend. See link on attached document. We can request more information on specific elements if required – Information available through the annual accounts provided by the NDA CLOSED
4604 (5)	What is latest plan for Graphite core decommissioning?	SA	Using info from lead-and-learn site of Trawsfynydd. Shall we ask for a report? When there is more information available from the development and implementation of the Trawsfynydd strategy in future years, we will share this CLOSED
4662	Where was fuel rod manufactured that developed pin hole?	RG	We are unable to determine the source. It's either a BNFL or Siemens (Framatome) sourced assembly. CLOSED
4670	ISI for control rod mechanism and other questions – to be answered	RG	This has been answered comprehensively - responses provided to SSG in 2022 as per attached - CLOSED
4671	What public consultation on revised REPPIR emergency planning requirements?	RG	The extraordinary SSG meeting has taken place where Neal Evans came along to outline the off-site plan - CLOSED
4672 (ii)	Would SZB work with SCC Highways regarding speed limit on Lovers Lane	RG	This is a matter for Leiston Town Council to pursue with the Highway Authority (SCC). LTC reps on SSG could request LTC to consider. CLOSED

4673	Prof Henderson report (small fish in cold water system) – comments needed from EA and SZB	CW to provide, AL & RG to respond	Report and question forwarded to EDF and EA for comment. See Response to 4749 CLOSED
4776	SZB to confirm date of next fuel (full or partial) cycle.	Sean Verrall & Richard Parlone	Refuelling Outage 19 is planned to take place in October 2024. CLOSED
4777	Check whether EDF was contributing to the NLF.	Sean Verrall	EDF has been contributing to the Nuclear Liabilities fund – please see attached report. CLOSED
4824	Request to circulate presentation and questions from 'Keeping the Conversation going' via John McN	John McNamara	To send presentation and Q&As JM has the presentation which he will send CLOSED

CONSTITUTION OF THE SIZEWELL A & B STAKEHOLDER GROUP

1. PURPOSE

- 1.1.** The purpose of the Stakeholder Group is to:
- a) Inform the public of activities on, or matters which may affect, the Sizewell A and B nuclear licenced sites and of the site owners, operators and regulators,
 - b) Act as a facilitator for two-way information provision and flow,
 - c) Act as an open forum for community concerns by providing independent interpretation of information.

2. MEMBERSHIP

- 2.1.** Membership of the SSG will consist of elected representatives within the local authorities, Sizewell A / B site staff and politicians, local community groups with an interest in the Sizewell A and B sites and co-opted members.

- 2.2.** Elected representatives within the local authorities, Sizewell A / B site staff and politicians (* denotes non-voting members):

Leiston-cum-Sizewell Town Council	2 members
Aldeburgh Town Council	1 member
Saxmundham Town Council	1 member
Aldringham-cum-Thorpe and Knodishall Parish Councils jointly	1 member
Middleton and Theberton Parish Councils jointly	1 member
Westleton Parish Council	1 member
Suffolk Coastal District Council	1 member
Suffolk County Council	1 member
The Member of Parliament for Suffolk Coastal Parliamentary Constituency or their representative	1 member
Suffolk Association of Local Councils	1 member
Sizewell A staff	2 members
Sizewell B staff	2 members
*MP for Mid Suffolk and North Ipswich Constituency	1 member
*MP for Waveney Constituency	1 member
*MP for Ipswich Constituency	1 member
*MP for South Suffolk Constituency	1 member

- 2.3** Properly constituted organisations that represent local people that could include:

Sizewell Residents	1 member
Leiston Business Association	1 member
National Farmer's Union and Country Landowners' & Business Association jointly	1 member
Friends of the Earth (Suffolk Coastal branch)	1 member
Suffolk Wildlife Trust	1 member

- 2.4** A maximum of ten co-opted Members may be appointed by the Stakeholder Group who shall serve until the following Annual General Meeting, at which their membership shall be reviewed. Anyone wishing to be co-opted to the SSG should write to the Chairperson and explain their interest and experience. Co-optees may also be proposed by a Member or Members of the Stakeholder Group. Their co-option will become an Agenda item at the next SSG main meeting. In the event that all co-opted places are taken, the applicant will have their name added to the list of nominations for co-option at the next SSG AGM when Co-optees are reviewed and appointed. If there are more than 10 applications for co-option then an election will be conducted.

- 2.5** Local community groups who are properly constituted and have an interest in the work of Sizewell A and B sites should apply in writing to the Chairperson and it should be announced at the subsequent meeting of the SSG.
- 2.6.** If a Member, other than a co-opted Member, is unable to attend, they may send a substitute. The substitute will have the same voting rights as the Member. The substitute's name will be recorded in the minutes.

3. DUTIES OF MEMBERS

- 3.1.** All Members shall be responsible for reporting back fully to their respective bodies, and, in the case of Members representing two bodies, fully to both of those bodies.
- 3.2.** Members representing an elected Council, Councils, Meeting or other body shall form an important link with the public through whom concerns and specific questions shall usually be channelled.
- 3.3** Being an SSG Member means that:
- You represent your organisation or 'community of interest' where appropriate, actively on the SSG, including consulting them before hand on major agenda items.
 - You formally update your organisation or community of interest after SSG meetings, either verbally or in writing.
 - You attend every SSG meeting, where possible, or send a nominated representative.
 - You read papers circulated in advance of SSG meetings.
 - You update other SSG Members promptly after representing them at another meeting.
- These responsibilities should be monitored by the secretariat and enforced where possible by the Chair and/or Deputy Chair.

4. CHAIRMAN AND DEPUTY CHAIRMAN

- 4.1.** The Members of the Stakeholder Group shall elect triennially from within their number a Chairman and Deputy Chairman, who may be remunerated in recognition of their duties. Following a term of three years other nominations will be sought.
- 4.2** Members may hold a vote of no confidence for either incumbent at any point.
- 4.3** During their term of office, should an incumbent leave the SSG then an election for the vacated role will be held at the next main meeting.
- 4.4.** In the absence for whatever reason of both the Chairman and Deputy Chairman, the Minutes Secretary shall call for nominations from Members to chair that meeting only and, in the event of more than one nomination, a decision will be made by a show of hands.

5. DUTIES OF THE CHAIRMAN

- 5.1.** In addition to duties mentioned above, the Chairman (or, in his / her absence, the Deputy Chairman) shall be the 'public face' of the Stakeholder Group and shall deal with enquiries from the press, the broadcast media and the public.
- 5.2.** The Chairman shall liaise closely and often with the site director of Sizewell A and the station director of Sizewell B and all relevant Statutory Bodies, and report fully to the Stakeholder Group.

- 5.3. The Chairman shall arrange a detailed induction programme for all new Members of the Stakeholder Group so that they can attend their first meeting adequately briefed. The Chairman shall also remind all Members that tours of both A and B sites are available and to subsequently coordinate dates with the operators, as appropriate.
- 5.4. The Chairman shall receive secretarial and support services.
- 5.5. The Chairman and /or the Deputy Chairman or their nominees should attend all national liaison meetings.

6. FULL MEETINGS

- 6.1. A minimum of four meetings should be held each year of which one will serve as an Annual General Meeting. All meetings will be open to members of the public, press and broadcast media. The June meeting each year will serve as an Annual General Meeting at which the voting and non-voting membership for the forthcoming year will be confirmed. Meetings will be held on a rotating basis at a town or village within the area or vicinity of the membership.
- 6.2. Necessary experts and representatives from all relevant Statutory Bodies shall attend to speak to their reports and/or to be available to answer questions. The Site Director of Sizewell A, the Station Director of Sizewell B and the Sizewell A Site Programme Manager of the Nuclear Decommissioning Authority shall always be invited to attend all meetings. In the case of their being unable to attend, they should nominate a representative to attend in their place.
- 6.3. At an appropriate time (or times) in the meetings, members of the public will be afforded the opportunity to ask questions relevant to any reports and the business of the meeting.
- 6.4. Members of the public may also contact Members in advance of the meeting to ask them to raise matters or ask questions on their behalf.
- 6.5. The Minutes of each meeting shall be accurately recorded and then circulated to all Members as soon as possible after the meeting and shall be posted on the Group's website. Secretarial services will be funded by the Nuclear Decommissioning Authority via Magnox. An appropriate annual contribution will be sought by Magnox from EDF Energy to reflect the SSG's dual remit for the Sizewell A and Sizewell B sites.
- 6.9. Extraordinary Stakeholder Group meetings may be held if and when necessary, and will be open to members of the public, press and broadcast media.

7. SUB GROUP & WORKING PARTY MEETINGS

- 7.1. The Stakeholder Group may establish a temporary working party to explore particular issues in more detail or to carry out work on behalf of the main group. Working party membership will be selected by the SSG Members. Working party meetings shall not be open to the public, press and broadcast media.
- 7.2. All SSG Members are entitled to attend sub-group meetings. Sub-group meetings shall be open to the public, press and broadcast media.
- 7.3. Sub-group and working party meetings are not decision-making unless specifically instructed to be so by the SSG at their main meeting. Recommendations and decisions must be reported to the next full Stakeholder Group meeting where recommendations will be considered and decided upon.

8. CONDUCT OF BUSINESS

- 8.1.** The Chairman or Deputy Chairman shall have sole responsibility for the agenda and for the proper conduct of each meeting.
- 8.2.** The Chairman shall call attention to continued irrelevance, tedious repetition, unbecoming language, interruptions or any breach of order on the part of any attendee, and will direct the attendee to discontinue speaking immediately.
- 8.3.** If an attendee misconducts by persistently disregarding the authority of the Chairman or by disturbing the business of the meeting, or by behaving irregularly, improperly or offensively, any Member may move “that the attendee named leave the meeting” or “that the attendee named be not further heard” in either case for the remainder of the meeting or for such less period as may be specified in the motion. Such motion, if seconded, shall be put and determined without discussion.
- 8.4.** If such a motion is carried and the attendee named does not comply with the decision the Chairman may suspend the meeting for such period as is considered expedient and in addition may give such directions as is considered appropriate for the restoration of order. In the event of serious disorder or persistent disregard of the authority of the Chairman, the Chairman may direct that the meeting be abandoned.
- 8.5.** An agenda and explanatory papers shall be circulated to each Member at least seven days before the date of each meeting.
- 8.6.** All votes taken by the group shall be by a show of hands.
- 8.7.** At meetings where a vote is taken and an equality of votes is recorded, the Chairman of the meeting shall have a second or casting vote.
- 8.8.** Any proposed recording of a meeting must be notified to the Chairman and Secretariat in advance of the meeting (please see appendix for full details).

9. REVIEW

- 9.1.** This Constitution is to be reviewed at least annually.

NOTE: THIS CONSTITUTION SHOULD BE READ IN CONJUNCTION WITH THE NDA GUIDANCE FOR SITE STAKEHOLDER GROUPS (REF LAR 3.0) DATED 27 MARCH 2009

Approved on [DATE] by the Sizewell A & B Stakeholder Group

Appendix:

FILMING, VIDEOING, PHOTOGRAPHY AND AUDIO RECORDING AT MEETINGS

The Sizewell SSG supports the principles of openness and transparency; it allows filming, recording and taking photographs at its meetings that are open to the public. It also allows the use of social networking websites (such as Twitter and Facebook) and blogging to communicate with people about what is happening, as it happens.

As a courtesy to the public, the SSG would like to be given notice, in advance of the meeting, if filming or photography is to take place. The Chairman and SSG Secretariat should be made aware of any intention to record, film or photograph a meeting, in writing or via telephone before the start of the meeting. The Chairman can then be informed of what is to take place.

Where the SSG has been so notified, the Chairman will, at the beginning of the relevant meeting, make an announcement that the meeting will be filmed, recorded or photographed and will ask if anyone objects to this.

It should be noted that the Chairman of a meeting will have absolute discretion to terminate or suspend any of the above activities if, in their opinion, continuing to do so would prejudice the running of the meeting. The circumstances in which termination or suspension might occur could include:

- public disturbance, disruption or suspension of the meeting
- the meeting agreeing to formally exclude the press and public from the meeting due to the exempt/confidential nature of the business being discussed, in accordance with the Constitution.
- where it is considered that continued recording/ photography/ filming/ webcasting might infringe the rights or privacy of any individual, or intimidate them
- for any other reason which the Chairman considers reasonable in the circumstances.

In allowing recording, filming or photography to take place, the SSG requires those participating not to edit the recordings, film or photographs in a way that could lead to misinterpretation of the proceedings. This includes refraining from editing an image or views expressed in a way that may ridicule, or show a lack of respect towards those being photographed, filmed or recorded.

Those intending to bring large equipment, or wishing to discuss any special requirements are advised to contact the SSG Secretariat in advance of the meeting to seek advice and guidance. The use of flash photography or additional lighting will not be allowed unless this has been discussed in advance of the meeting and agreement reached on how it can be done without disrupting proceedings.