



Sizewell A & B Stakeholder Group Meeting

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

15th October 2024

09:00 registration meeting starts 09:30

AGENDA

1. **Welcome** - Apologies for absence and declarations of interest.
2. **Matters arising and questions from minutes and action tracker:**
 - Minutes and actions of meeting held on 22 May 2024
 - Other matters or correspondence received.
3. **Sizewell A Reports**
 - Alan Walker (Site Director, NRS)
 - Andrew Bull (Site Inspector, Office for Nuclear Regulation)
 - James Heavingham (Environment Agency)
4. **Sizewell B Reports**
 - Robert Gunn (Station Director, EDF)
 - Site Inspector, Office for Nuclear Regulation - TBC
 - Themis Kantara (Environment Agency)
5. **NDA Reports – Alastair Findlay**
6. **Chair & Vice-Chair Report**
 - Report of relevant matters from SZC Forum
7. **Any other business**

Date of next meeting: TBC.

Ref #	Brief description	Who	Update/comments and suggested STATUS
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. Radioactive Incident Monitoring data now called Radiological Response & Emergency Management System (RREMS). Network of gamma dose rate monitoring sites reported quarterly by coordinates, so not easy for members of the public to understand. Ambient gamma radiation dose rates across the UK - GOV.UK (www.gov.uk)
4833 12/10/23	Request for Sohail to update on the new campaign for wet ILW.	SA SZA and JR ONR	Sohail Ashraf to update on the wet ILW campaign AW advised: wet ILW onsite was comprised of sand and gravel from filters to remove particulate, and sludge generated from backwash and collected from operational areas during decommissioning. This waste would be retrieved into ductile cast iron containers for conditioning and interim storage at Bradwell. It was anticipated there would be seven packages. Retrieval would likely be 2030. CLOSE
4835	Request for update on water and sewage output	Peter Reynolds EA	Answer questions regarding water and sewage output. Chair to check with stakeholders regarding outstanding questions OPEN
4860 (a)	Subgroup to be held to review Gov consultation on radioactive waste management.	SSG/NDA	Awaiting information on plans to reclassify waste streams. Has been replaced with GGR (new regulation levels) further information to be circulated by Chair/Secretariate and sub group meeting date agreed. CLOSE – changes have been made to management of radioactive waste
4873 (a) 29/06/23	Accredited disposal route for LLW from SZA?	Sohail Ashraf	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. SA agreed to find out and confirm back for SZA LLW. OPEN
4873 (c)	Sohail Ashraf to explore the truth of a blog claiming hazards to health from dust and water	Sohail Ashraf	Noted that planned demolition was over a year away, and if suppression systems were needed then water testing would take place. Mike Taylor to provide content of blog to SA.

4875	EA to provide further information re: the frequency of discharge into the sea and the process for notification.	JH SZA EA	Radiological liquid waste collected into tanks at SZA, and when full it was sealed and tested prior to any release, information was requested on the frequency of discharge into the sea and the process for notification. OPEN
4878	RWM to confirm % of HLW area at GDF would be allocated for Spent fuel	RWM	Question to be forwarded for response. OPEN
4888 (a) 01/11/23	EDF to review minimising traffic during the SZB outage work in 2024.	EDF	Noted additional workforce on site during the outage in 2024. Robert Gunn said there would be 1,300 people on site during the day. Agreed to consider options and to report back. OPEN
4890	Information requested on SZC proposal to use SZB water effluence for its water strategy	Nikki Rousseau	SZB EDF NR agreed to forward question to the SZC Office and report back. OPEN
4905 (a)	RG to bring information regarding comparative discharges at other sites	SZB	
4906 (a)	email to be forwarded to Chair/Secretariate regarding use of SZB water for SZC		
4910 (a)	Subgroup meeting to be held on Emergency Planning and Coastal Defences	Chair and Secretariate	
4910 (b)	Future presentation by National Grid to SSG or subgroup meeting	Chair and Secretariate	
4910 (C)	Report of relevant matters from SZC Forums to be included in SSG meetings.	Chair and Secretariate	

4914 (a)	Request made for SZB to consider installing deer fencing on south side of the estate, due to displacement	SV to investigate	
4914 (b)	Request made for SZB to assist by clearing the Leiston sewage drain	SV to investigate	
4922	SCC Portfolio holder for Transport to be invited to join the SSG	Chair/Sec	Portfolio receives minutes. Matters can be highlighted by local ward Member.

OUTSTANDING ACTIONS FOR PROGRESSION WITH REGULATORS/OTHERS

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	Chair and PHE	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.

4847 (a) 15/03/23	DG to contact SZC colleagues regarding IRSN report & EPR to provide to Members.	DG ONR SZB	To be discussed with DG at Regulator update meeting
4848 (b)	PW to forward BMJ article on Low Level Radiation to EA Alex Lord, for EA comment	PW/EA and UKHSA	Provided. Awaiting comment from UK Health Security Agency.

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
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 (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. Visit Office in Leiston or telephone any questions. CLOSED transferred to SZC Forum
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
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
4681	Near shore surveys and update by EDF Energy & attendance requested re: SZC overlap issues	Secretariat to invite	Request sent to EDF who declined to attend. CLOSED to be forwarded to SZC Forum.

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. CLOSED
4846 (g)	Request to monitor and report back on additional light pollution – including from car park	SZB and Naomi Gould ES Planning Team	Request that anyone with future concerns documents and reports these. CLOSED
4848 (a)	Chair to send instructions on how to join EA stakeholder list to Members	SSG	Information provided to join EA stakeholder list for updates and to attend webinar. CLOSED
4857 (a)	Video of Bradwell site, how it managed its risk, requested.	SA	Will be provided at future SSG meeting. CLOSED
4861 (a)	Request for update on fish management at SZB and proposals for SZC	EDF SZB and SZC	Information provided by SZB. Transferred to SZC Forum. CLOSED

4868 (a)	SN to provide presentation and response regarding Magnox SZA residual waste stored at Sellafield at next meeting	SN/RWM	Presentation provided. Residual waste was stored after reprocessing ceased. CLOSED
4876	Chair/Secretariate to recirculate the answer on EDF's contribution to the nuclear liability fund	MF	Provided. CLOSED
4657	Taishan – damage to fuel rods, EDF requested to circulate report when received. (New concerns reported 06/12/23)	Robert Gunn EDF	We have no further information, when more information becomes available, we will share with the SSG – Closed
4848 (d)	Request for update on desalination plant to be powered by SZB	EA for SZB/EDF	Closed – SZC Matter
4873 (b)	Confirm the work to cap off the sewage and waste lines at the rigs.	Sohail Ashraf	Sohail Ashraf stated that to his knowledge those lines had been capped off, and he would come back with confirmation. CLOSED
4891	Confirmation requested of NDA vision for SZA end state following the Department for Energy Security and Net Zero (DESNZ) proposal to re-categorise waste	Sohail Ashraf	NDA draft business plan now published and as of 04/12 open for consultation. CLOSED
4903 (a)	Impact on SZA of SZC sea defence work to be confirmed	SZA/SA	closed
4903 (b)	May meeting SZA report to include update on Wet ILW and Sewage lines	SZA/SA	closed

4894	NDA and/or NRS to be asked to confirm funding agreement with EDF for AGR decommissioning and fuel storage.	BH/NRS and NDA	Project Ruby is the agreement with UK Gov and EDF to share costs of decommissioning. Further information requested as national Chairs meeting with NRS Board members. NLF will cover defueling. NRS to deliver deconstruction portion of decommissioning. CLOSED
4902 (a)	Constitution to be updated and sent out with Minutes	Chair/Secretariate	Completed - CLOSED
4902 (b)	RP to provide address for accessible website for RIMNET data	SZB	Website confirmed, any problems Members to be report back so individual assistance can be provided - CLOSED
4903 (c)	Blog information regarding impacts of dust and water to be sent to SZA for comment regarding turbine hall demolition.	SZA/S	Duplicate of 4873 - CLOSED



Office for
Nuclear Regulation

ONR Site Report

NRS Ltd – Sizewell A

ONR Site Report

NRS Ltd - Sizewell A

Report for period: 01 April – 30 June 2024

Authored by: ONR Nominated Site Inspector

Approved by: Acting Delivery Lead – SDFW Division

Issue No.: 1

Publication Date: July 2024

Record Ref. No.: 2024/29999

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/lrc/>).

Site inspectors from ONR usually attend Sizewell Stakeholder Group 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.

Contents

- 1. Inspections 4
- 2. Routine matters 4
- 3. Non-routine matters..... 6
- 4. Regulatory activity 7
- 5. News from ONR 8
- 6. Contacts 8

1. Inspections

1.1. Date(s) of inspection

The ONR site inspector made inspections on the following dates during the report period 01 Apr – 30 Jun 2024:

6th June 2024

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 A covered the following:

- LC2 – Marking of the Site Boundary

This inspection, which was rated “green” under the ONR Inspection Rating Guide, judged the adequacy of the sites arrangements with respect to the position of the new site boundary due to the transfer of land from the A site to the B site. The inspection concluded that the new site boundary was adequate, and that adequate signage had been provided.

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

The site inspector attended site to meet with various members of the site team, and to receive updates on various projects.

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

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Office for
Nuclear Regulation

ONR Site Report

EDF Energy – Sizewell B

ONR Site Report

EDF Energy - Sizewell B

Report for period: 1 April – 30 June 2024

Authored by: Nominated Site Inspector

Approved by: Head of Operating Reactors

Issue No.: 1

Publication Date: August 2024

Record Ref. No.: 2024/33459

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/ilc/>).

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.

Contents

- 1. Inspections..... 4
- 2. Routine matters 4
- 3. Non-routine matters..... 7
- 4. Regulatory activity 8
- 5. News from ONR 9
- 6. Contacts..... 9

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 2024:

3 – 4 April

1 – 2 May

7 – 9 May

29 – 30 May

The ONR Chair, Chief Nuclear Inspector and Head of Operating Reactors made an inspection on the following date during the report period:

11 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:

- control and supervision of operations;

- staff training;
- emergency preparedness and emergency planning;
- outage preparations
- periodic safety review and long term operation
- nuclear site re-licensing and land transfer

Control and supervision of operations

The morning and afternoon Main Control Room (MCR) shift handovers were inspected. The Shift Managers and MCR Supervisors provided thorough situational and future focus briefings to the whole of their shift operations teams.

Work week planning was also inspected where future maintenance activities planned for three, nine and thirteen weeks' time were discussed, activity by activity, to determine what challenges and risks to delivery were evident and what measures were required to ensure successful completion. I noted professional, open and engaged dialogue was demonstrated by all present. I noted that attendees clearly understood the nuclear safety significance of the various plant items requiring scheduled maintenance.

The activities of the Work Execution Centre (WEC) during the handover of ongoing work to the Duty WEC duly authorised person (DAP) from the MCR Supervisor and within the WEC itself was inspected. We noted that the Duty WEC DAP is a post held following time served as an MCR Supervisor which is an appointed position. It was evident that the Duty WEC DAP was a suitably qualified and experienced person with significant plant knowledge.

We were content, from the sample of activities inspected, that the licensee carried out no operations which affected safety except under the control and supervision of suitably qualified and experienced persons appointed for that purpose by the licensee.

In this period, other routine Sizewell B matters covered the following :

Staff training

As Sizewell B Technical Specifications (tech specs) differ from the rest of the EDF fleet we decided to attend an introductory 3 day internal course to gain a greater understanding of their application. Fundamentally the tutors explained to candidates that the correct application of tech specs not only ensures compliance with LC23 'Operating rules' but also ensures compliance with LC28 'Examination, inspection, maintenance and testing' through the introduction of specified surveillance requirements and surveillance programmes.

The 3 day course ended with a 2 hour assessment where candidates had to achieve an 80% pass mark. The assessment was suitably challenging and provided us with assurance that participants (who on this occasion were mainly from design authority and maintenance planning functions) were provided with sufficient entry level knowledge of the application of tech specs to assist them in their roles.

Emergency preparedness and emergency planning

During routine interventions, the following were inspected:

- Alternative Access Control Point (AACP) (located within the RCA)
- Main Access Control Point (ACP)
- Emergency Control Centre (ECC)
- Auxiliary Shutdown Room (ASR) (which also provides plant state indication) should the main control room be untenable.
- The offsite Emergency Response Centre (opened in ~2012 which included storage and maintenance facilities for EDF's (post Fukushima learning) deployable back up equipment (DBUE); district survey facilities; backup ECC)
- A shift exercise
- Annual emergency planning performance review meeting

From the sample inspected, we were content with the facility conditions and emergency preparedness at the site.

Outage preparations

The outage intentions meeting for refuelling outage #19, commencing in October, was held during the period. We will continue routine interactions on outage readiness until the outage commences.

Periodic safety review

Our assessment of the third periodic safety review (PSR) for Sizewell B remains ongoing. Our decision on the adequacy of the PSR is due in January 2025. During this reporting period a number of interventions with the licensee have been undertaken by our specialist inspectors to assist in their assessment work.

Long term operation

The licensee has requested us to conduct a review of their work to assess the technical and safety issues associated with extending the operational lifetime of

Sizewell B by 20 years to 2055. Whilst we do not have a formal role in determining the generating lifetime of a power station (this is the licensee's responsibility), we have agreed to review their proposal, consistent with our enabling philosophy. This review remains ongoing.

Nuclear site re-licensing and land transfer

During this reporting period our specialists have been assessing a re-licensing proposal associated with a small parcel of land transfer from Sizewell A to Sizewell B. There is no nuclear safety significance to this work but legally administrative in nature.

2.2. Other work

The site inspector attended the site stakeholder group in May and briefed those present with a summary of recent interventions.

Members of the public, who would like further information on our inspection activities during the reporting period, can view site Intervention Reports at [ONR Intervention Reports](#) 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

We may issue formal documents to ensure compliance with regulatory requirements. Under nuclear site licence conditions, we issue 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.

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 [ONR - Email newsletter - 'ONR News'](#).

6. Contacts

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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 May 2024 to September 2024.

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 Nuclear Restoration Services (NRS) to discuss the work taking place on site that could have an environmental impact, and we review quarterly discharge and environmental monitoring returns.

In May 2024, we reviewed the availability of suitably qualified and experienced persons to meet the requirements of the environmental permit. We considered NRS's resilience to address any staffing gaps or shortfalls to ensure continued compliance with permit conditions. We found that NRS has sufficient competent persons and resources in place as required by the environmental permit. The system for managing operational and supervisory competencies is well-understood and robust. There are appropriate processes in place, including senior management oversight, to check policies and procedures are implemented correctly and complied with. We did not identify any non-compliances with the environmental permit, but we did make several recommendations to improve NRS's documentation system.

In September 2024, we undertook an inspection to check that NRS have sufficient oversight and control of the Erith staff (the principal contractor) undertaking the demolition of the Turbine Hall. This was to ensure that the risk and impact to the environment was being minimised and included a review of the management of the produced non-

radioactive demolition waste. NRS staff were able to demonstrate a high level of management oversight and control of contractors, and we were satisfied that the environmental impacts were being adequately controlled. Several areas of good practice were noted, particularly the proposed transfer of the treated demolition arisings from the Turbine Hall to Sizewell C for use in temporary construction works. This is a good example of the circular economy and reuse of materials. It will also reduce the number of vehicle movement that would otherwise have been required to transfer the demolition waste from site. We did not identify any non-compliances with the environmental permit.

Sizewell B

Alongside our inspection programme, we have maintained bi-weekly telephone and regular email contact with EDF, and routine review of returns. There were no reportable environmental events in the period.

In May 2024 we carried out the second part of our Nuclear Operator Monitoring Assessment (NOMA) inspection. Following on from our previous inspection of liquid and gaseous waste, we assessed EDF's monitoring of solid waste streams and the environment. We have issued our findings from both inspections in a RASCAR. We highlighted areas of good practice including management of monitoring and quality assurance activities such as the inter-laboratory comparison. Waste monitoring is appropriate for the plant and operational phase. No non-compliances were identified during the NOMA inspections, but we will follow up on recommendations and observations made.

The Long-Term Operation (LTO) programme seeks to extend Sizewell B's operational lifetime from 2035 to 2055+. EDF has produced a Life-Time Safety Report (LTSR) to articulate the safety and technical confidence (not justification) in LTO to inform the business decision. In June 2024 we reviewed the LTSR report and concluded that the LTSR is supported by a substantial programme of work (relating to SQEP levels, ageing and obsolescence of plant, and climate change) to justify the LTO and that environmental protection functions of the station are considered. We expect additional work to support the LTO to review the application of Best Available Techniques (BAT) and relevant good practice across the site, to ensure it is applied for the extended operational plant lifetime. LTO is also not expected to necessitate any changes to the general management and compliance arrangements outlined in the current permit.

Enforcement

Sizewell A

We have not taken any enforcement actions at Sizewell A in the period since the previous SSG meeting (14 May 2024). The operator has remained compliant with the requirements of their permits.

Sizewell B

As noted in the previous SSG, EDF's Thermoluminescent Dosimeter (TLD) results for the quarter 4 Environmental Monitoring Programme (EMP) submission were invalid, as a result of samples being X-rayed within the postal system. We have since issued a category 4 (minor) non-compliance against the environmental permit due to failure to implement BAT. EDF has confirmed that refresher training has been provided to the security staff involved. We now consider this matter closed and do not intend to take any further enforcement action unless repeat incidences occur.

Environmental Permitting

Sizewell A

In April 2024, we were formally notified that Magnox Ltd had been renamed Nuclear Restoration Service Ltd. We have updated the Sizewell A permit to reflect the administrative change of company name.

In July 2024, we decided to grant the partial permit transfer application from NRS and EDF to transfer an area of land within the Sizewell A site boundary, known as the grid substation land, from NRS Sizewell A (EPR/ZP3193SW) to EDF's Sizewell B (EPR/XB3539DH) permit. There are no aqueous or gaseous discharges associated with the area of land to be transferred. Additionally, the partial transfer of the permit does not add or remove any disposal routes or change any existing limits imposed on discharges.

An environmental assessment of the former grid substation land was commissioned and submitted by EDF Energy Nuclear Generation Limited. This includes site investigation works and associated risk assessments. The report concluded that the land does not present an unacceptable risk to human health or the environment.

The Notice of Transfer detailing the changes and the consolidated permit EPR/ZP3193SW/T004 were issued on the 24 July 2024 and became effective on the 26 July 2024.

Sizewell B

The above joint partial permit transfer application resulted in changes to the EDF permit boundary for Sizewell B (by incorporating the grid substation land). Additionally, as part of the joint application we processed a change in EDF's registered office address. As there was no change to the legal entity or the registered company number, the change in operator was processed as a Change of Facts. On 24 July 2024 issued a Notice of Transfer detailing the changes, and issued consolidated permit EPR/XB3539DH/T008, effective from 26 July 2024.

There are no changes for the Sizewell B Compilation of Environment Agency Requirements, Approvals and Specifications document (CEAR) however the document has been re-issued.

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.

NRS 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 NRS 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 2024, covering the reporting period April to June 2024 (inclusive) showed that all liquid and gaseous discharges from Sizewell A were at levels well within permitted

limits. No discharges were made via the main radioactive liquid effluent route during the reporting period.

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 NRS. 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 March 2024 to July 2024 (inclusive), and returns were submitted to us within the required timescales. 12-month cumulative gaseous discharges of carbon-14 remained less than 73% of the annual limit, with other gaseous discharges less than 28% of respective annual limits. Liquid discharges were in-line with expected levels and remain less than 15% of the annual limit for tritium, and less than 6% 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 2022 was published in RIFE report 28 (RIFE 28) in November 2023, 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 less than 0.005mSv in 2022, down from 0.016mSv in 2021, and less than 0.5% 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 NRS and EDF. In June 2024 we received the latest environmental monitoring report covering the period from January to March 2024 (inclusive).

An elevated radiation dose-rate was recorded on a quarterly thermo-luminescent dosimeter (TLD) at one location on the Sizewell A site perimeter fence. The result was due to the storage and movement of waste from the ponds in this area. NRS are reviewing the installation of further shielding for the storage of these items. We were informed of the anticipated dose-rate in advance, as well as after it was confirmed. We did not deem further action necessary.

The other results are 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.

Sizewell C

In 2023 we issued new environmental permits to Sizewell C Ltd for a new nuclear power station to be built at Sizewell. 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 held an Environment Agency 'meet the regulator' event on 30 September 2024 to discuss Sizewell C related issues with stakeholders. We held a national meet the regulator meeting, to focus on national or common issues, on 24 September 2024.

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. We also support NRW in this role in 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. Alex is supported in regulating Sizewell B by Themis Kantara.

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

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

customer service line 03708 506 506

incident hotline 0800 80 70 60

floodline 03459 88 11 88

Page 5 of 6

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>



NDA Update for Sizewell SSG

October 2024



Contents

1.0 NDA Stakeholder Update October 2024



NDA Stakeholder Update

Please find below a brief update on main points of interest since the last meeting.

General Election

Following the General Election the Labour Party, with Sir Keir Starmer as the new UK Prime Minister, won with a majority of c170. Within the Department for Energy and Net Zero the Rt Hon Ed Miliband has been appointed as the new Secretary of State with his team of Rt Hon Lord Hunt OBE as Minister of State for Energy and Net Zero, Sarah Jones MP as Minister of State for Industry, Kerry McCarty MP as Parliamentary Under Secretary for Climate, Miatta Fahnbulleh MP, Parliamentary Under Secretary for Energy Consumers and Michael Shanks MP as Parliamentary Under Secretary for Energy.

The new Secretary of State has advised the priorities for the department are:

1. delivering our mission to boost energy independence and cutting bills through clean power by 2030
2. taking back control of our energy with Great British Energy
3. upgrading Britain's homes and cutting fuel poverty through our Warm Homes Plan
4. standing up for consumers by reforming our energy system
5. creating good jobs in Britain's industrial heartlands, including a just transition for the industries based in the North Sea
6. leading on international climate action, based on our domestic achievements

The announcement and launch of Great British Energy (GBE), a publicly owned, clean-energy company which will be headquartered in Scotland has now been made by the Secretary of State. The aim is to speed up the deployment of mature and new technologies, as well as local energy projects, to support the government's aim of decarbonising the UK's electricity system by 2030 whilst also ensuring we can meet future demand as we further decarbonise the economy. GBE will be paid for by a windfall tax on oil and gas giants and will invest clean power projects all across the United Kingdom. [Juergen Maier](#), former CEO of Siemens UK, has been announced as Chair of Great British Energy.

- Following the election we have seen significant constituency level change at NDA sites with ten now represented by a new MP
- We are contacting new constituency MPs at and around our sites and Ministers in key Whitehall departments introducing the work of the NDA group and seeking an early meeting.



- Additionally, over the coming weeks and months, we will be working through the policy implications of a new government for the NDA group.

Board updates

- As previously announced **Adrienne Kelbie CBE**, Chair of Nuclear Waste Services (NWS) board, will be stepping down over Summer 2024 and her successor has been announced as Liz Peace.
- **Harriet Kemp** recently (30th August) joined the NDA board. She has extensive background and experience in HR matters and remuneration matters including working at Compass Plc, Novartis and Pepsi.

Outreach activities

- During the pre-election period outreach activities was limited but a number of planned commitments which were postponed are now being rescheduled. This included a site visit by the new Energy Minister Lord Hunt. Lord Hunt recorded a short video after his visit which can be watched on the Sellafield Ltd Facebook [page](#)

Engagement priorities for 2024

- We recently held our **Stakeholder Conference** on September 17/18 in Manchester. We'd like to thank all those that attended and engaged and if you haven't already we'd like to encourage you to provide us with feedback via [Slido](#). In due course we'll be putting up videos from the event so check out the [NDA linked In page](#). During the event David Peattie announced that the NDA would be investing an extra £5m over the next five years to support around 20 PhDs. This builds on the current annual spend of £45m in early careers, including apprenticeships, graduates and PhDs.
- In response to previous feedback, the first **SSG Chairs and Vice-Chairs event** to reflect a group-wide approach involving the NDA, NRS and other OpCo CEOs was held on July 8/9. This combined event provided richer discussion and a chance for the SSG delegates to talk about their opportunities and challenges. It also featured updates on socio-economics and the NDA's heritage strategy.
- As mentioned in previous updates, our **independent review into the SSGs** is underway. This exercise will provide an opportunity to reflect on the successes of the stakeholder voice in the local community over the last 20 years. It will also allow us to consider how best to address some of the challenges that face us as we think about the future. Our Chairs and Vice-Chairs played a role in helping to draft the scope of the review and they received a short progress update at the SSG Chairs and Vice-Chairs meeting mentioned above.
- We are in the process of developing and designed our next broad **stakeholder survey**. More details will be available in due course.
- Preparation is underway for **Strategy V** which we expect to publish in March 2026. Our strategy document is published every 5 years and describes our high-level



approach to delivering our mission. Within that we identify several critical enablers essential to the successful delivery of our mission including public and stakeholder engagement. We will engage early with stakeholders during the development of the document and its subsequent consultation.

Publications, public service and policy updates

- The previous Government and devolved administrations published an updated policy for nuclear decommissioning and managing radioactive substances, including radioactive waste. Publication follows consultation undertaken last year on the proposals. [Read details of the policy here.](#)
- The policy included an expectation that the NDA should explore with stakeholders the potential for optimising the LLW Repository to take suitable, less hazardous intermediate level waste.
- Engagement with the local community and relevant stakeholders will be an important part of this work, alongside further technical evaluation. If appropriate, the project would proceed to creation of a final business case and seek necessary approvals.
- Nuclear Waste Services will be working with relevant key stakeholders to inform its thinking
- We expect to publish our Annual Report and Accounts in October
- The Scottish Government is about to start its review into its policy for higher activity radioactive waste (HAW). The policy framework is set out in a 2011 Policy and the 2016 Implementation Strategy. The anticipated timeline is: Commence review – mid 2024, Hold a public consultation – early 2025, issue a revised Policy document – late 2025.
- The new nuclear industry skills “roadmap” has been launched aimed at attracting and retaining the sector’s workforce of the future. The National Nuclear Strategic Plan for Skills (Skills Plan) is based on sector collaboration, investment in training, leadership development and improving diversity. The NDA is a signatory to the charter, which was signed at Westminster, that underpins the goal to double the number of new apprenticeships by 2026 and recruit 40,000 new jobs by 2030.
- The **NAO value for money study** into whether Sellafield and the NDA are taking a sustainable approach to decommissioning, leading to permanent hazard reduction is underway, with visits to Sellafield and formal interviews now completed. We expect the study to be published on 23 October.
- We have recently published our **Nuclear Heritage Strategy**. The NDA are tasked with decommissioning the UK’s legacy nuclear sites, sites and facilities which have been at the heart of delivering nuclear benefits for the UK, including national defence programmes and supplying safe, low-carbon power, for decades.
- The [heritage strategy](#) enables the NDA group to identify and preserve the tangible and intangible assets, objects, and memories of the nuclear industry, the people who worked in it, and the communities that supported it.



Mission delivery

- NWS and the NDA have established an innovative partnership for the enhanced management of asbestos waste, awarding two contracts to establish the **Asbestos Innovation Partnership**. This partnership will work with the NDA group and the supply chain, to test and develop new solutions to treat asbestos waste, helping to deliver efficiencies and enable more effective waste management.
- A collaboration between NRS, NTS and NWS has achieved a significant milestone by transporting the final waste from the Treated Radwaste Store (TRS) in Winfrith to the LLWR for disposal. The completion of this project ahead of schedule means that the need for **waste storage at Winfrith** which closed in 1990 has been removed, leaving the site ready for decommissioning.
- NDA and NRS have underlined their commitment to Government to, where possible, safely accelerate **land release at Harwell** site to maximise the economic impact of decommissioning. We have identified clear areas of strategic importance and will work together with the Harwell Campus joint venture on developing options for those areas. We are at early stages and still progressing the current release of plots, aiming to have a broader plan for land release this autumn.
- At Sellafield, the first transfer of fuel from an A1 skip to the new 63 can rack in support of the AGR programme has been made. This is a significant milestone presenting new capability that will, via further 63 can racks, enable storage of the volumes of EDF fuel needed into the 2030s.
- Industrial action at NRS Dounreay was suspended and work to rule ceased in period, to allow employees to be balloted on a new pay offer which was accepted.
- The hearing for the Office for Nuclear Regulation (ONR) charges against Sellafield Ltd under the Nuclear Industries Security Regulations 2003 took place on 20 June at Westminster Magistrates Court in London. Sellafield Ltd entered a guilty plea to all charges. We expect for the sentence to be pronounced in October.

Thank you for taking the time to read our update. If you have any questions, please feed-back through the Secretariat or ask Alastair Findlay, NDA head of regional affairs, who will be attending the meeting.



Nuclear
Decommissioning
Authority

Sizewell Stakeholder Group

Sizewell B report – October 2024

Sizewell B report - October 2024

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:

- 2 recordable injuries
- No nuclear reportable incidents
- No environmental incidents

Lost Time Injuries

In August, during installation works in the new outage store, an operative exited a mobile elevated working platform (scissor lift) and descended down the initial ladder. Upon transitioning down the steps, the operative lost their footing, subsequently falling to the floor and suffering a fractured heel.

The injured person was taken to hospital where they were assessed and informed of the injury sustained.

In September, during lifting operations in the outage store, a lifting hoist wire failed, and the load (a section of structural steelwork) fell approximately 900mm to the ground. The steel work (weight approx. 225 Kg) initially hit the ground and then fell onto an operative's foot.

The injured person received initial first aid and was then taken to hospital. The individual was wearing the appropriate safety footwear at the time.

Both events are being investigated by the station to ensure that we identify the root causes and take action to prevent recurrence.

Staffing at Sizewell B

We currently have 623 EDF staff this includes 13 Visitor Centre staff, 19 Apprentices, 4 Industrial placements, 3 Technical Trainees, 3 Graduates and 300 year-round contracting partners'.

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 2.5 million homes.

Sizewell B Refuelling Outage 2024

Sizewell B power station will be brought offline on **11 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 12,000 separate pieces of work which have been carefully planned during the last two years.

As well as refuelling the reactor, we will also deliver around £60million investment programme and routine maintenance work during the outage: -

- Turbine Generator rotor replacement – 3 x low pressure and 1 x high pressure
- Thermal Sleeve inspection
- Inspection of primary circuit pipework

The power station will once again work alongside a local supply chain in addition to international partners.

Preparation work for the outage begins at least two years in advance of refuelling the reactor as part of a ten-year strategic plan at the power station.

3. Sizewell B and community news

Government minister visits Sizewell B

In August, Sizewell B welcomed the Minister for Energy, Security and Net Zero, Lord Philip Hunt, on his first visit to both Sizewell B and Sizewell C sites.

Making the UK more energy secure is a top priority for the government and Sizewell B plays an important role in achieving that, as well as helping the UK meet net-zero goals.

Following a visit to Sizewell C, Lord Hunt joined Sizewell B, along with Mark Hartley, Director of Nuclear Operations for a tour of the turbine hall. They were introduced to two of our engineering maintenance apprentices, Mary Cuthbert and Caiden Shilling, who spoke about their experiences joining EDF as a career choice.

There was a great opportunity for the maintenance team to hear Lord Hunt's thoughts on UK energy policy and for Sizewell B to share our plans for long term operations and the support we require towards securing life extension.

Works to remove self-setting vegetation on the beach

Sizewell B will be removing some self-setting vegetation from the power station flood defences on the beach, in front of the power station, week commencing 23 September.

This work will be carried out by our environment team working with banksmen to ensure that the public are still able to use the beach whilst small areas where we are working are cordoned off for safety. This work is expected to take 10 working days to complete.

Sizewell B welcomes new apprentice intake

At the end of August Sizewell B welcomed our 6 new engineering apprentices as they begin their career journey with EDF. They were joined by family members at the Visitor Centre for a meet and greet and tour of Sizewell B.

The following week they head up to Cumbria to take part in an Outward Bound Centre as part of their EDF introduction and team building experience week. They then travelled to Cannington, Somerset for their first day at the National College for Nuclear to begin their 4yr Maintenance & Engineering Apprenticeship program.

Communities benefit from Sizewell B Sponsorship fund

Summaries of local projects awarded to date in 2024 totalling £9,600:-

• Alde Valley Academy Awards evening @Snape Maltings	£1000
• Friends of St Peters Sibton - churchyard wildflower scheme	£250
• Southwold Rugby Club - youth team trip	£500
• Alde Valley Family History Group - computer system upgrade	£250
• Saxmundham Judo Club - Olympic Community Club judo event	£500
• CAES (Citizens Advice) - purchased two lap-tops for community	£1000
• Suffolk Mid Coastal Woodturners - PAT tester machine	£250
• Sax Music Festival - 2023 event cancelled	£500
• AFC Kesgrave - youth football team kit	£500
• Leiston Long Shop Museum - advertising leaflet printing	£500
• Leiston Open Garden fundraising	£100
• Southwold Rugby club women's team kit	£500
• Rendham Parochial Church Council - Rendham Village Fete	£100
• PARK Rendham - Boules pitches for elderly	£100
• Aldeburgh carnival	£500
• SHAKE Festival CIC - Akenfield on Stage R&D production	£200
• Saxmundham Bowls Club - disability walking aid	£400
• Littlelifts & Woolverstone macmillan centre	£500
• Aldeburgh Town Council - Aldeburgh Sports week	£200
• Wickham Market Youth Football - team kit	£500
• Felixstowe & Walton United Football Club - team kit	£500
• Aldeburgh Triathlon - water bottles	£750
• Sizewell Sports & Social Club - fun day	£500

4. Company News

EDF maintains position as Britain's biggest generator of zero carbon electricity

EDF has published its [sustainability progress update](#), highlighting that the supplier continues to be Britain's biggest generator of zero carbon electricity, generating 18.4% of the nation's energy supply. The progress update also demonstrates EDF's ambitious plans in developing further low carbon solutions, which will create new jobs and help Britain achieve net zero.

To achieve this, the supplier is investing in the development of the UK's wind, nuclear, and solar energy infrastructure, reducing the country's reliance on fossil fuels. Projects like Hinkley Point C and Sizewell C, along with renewable initiatives, are central to these efforts, aiming to secure the UK's energy needs with reliable, long-term, zero carbon power.

Matching ambition with investment, last year EDF marked 25 years of operation in Britain, during which period it has invested £25 billion and, by 2035, EDF plans to significantly increase this investment, enabling £50 billion to develop 15GW of zero carbon electricity. Further, in 2023, for the sixth year running, EDF invested more into Britain than it made in profit (EBITDA) in the UK, in each of the last six years.

Over the last year EDF has reached significant milestones, including:

- Zero Carbon Generation: In 2023, EDF achieved its goal to reduce carbon intensity at the point of generation to zero.
- Hinkley Point C Milestone: Installed the dome on the first reactor at Hinkley Point C in December 2023, supporting 23,500 jobs and training over 1,300 apprentices.
- Socio-Economic Impact: Invested £24 million in education and skills, helping over 8,000 people from disadvantaged backgrounds.
- Renewable Energy Expansion: Operating 1.5GW of renewable capacity with an additional 14GW in development, including the Neart na Gaoithe wind farm set to power 475,000 homes.

For more information, please read the latest [EDF sustainable business update](#).

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



Sizewell A & B Stakeholder Group Meeting

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

15th October 2024

09:00 registration meeting starts 09:30

AGENDA

1. **Welcome** - Apologies for absence and declarations of interest.
2. **Matters arising and questions from minutes and action tracker:**
 - Minutes and actions of meeting held on 22 May 2024
 - Other matters or correspondence received.
3. **Sizewell A Reports**
 - Alan Walker (Site Director, NRS)
 - Andrew Bull (Site Inspector, Office for Nuclear Regulation)
 - James Heavingham (Environment Agency)
4. **Sizewell B Reports**
 - Robert Gunn (Station Director, EDF)
 - Site Inspector, Office for Nuclear Regulation - TBC
 - Themis Kantara (Environment Agency)
5. **NDA Reports – Alastair Findlay**
6. **Chair & Vice-Chair Report**
 - Report of relevant matters from SZC Forum
7. **Any other business**

Date of next meeting: TBC.



**MINUTES OF THE MEETING OF THE
SIZEWELL A & B STAKEHOLDER GROUP (SSG)
HELD AT SIZEWELL SPORTS & SOCIAL CLUB
WEDNESDAY 22 MAY 2024**

Attendance/Apologies list

Attendance

Members / Members of the Public

Marianne Fellowes
Trevor Branton
Joan Girling
Pat Hogan
Cllr Russ Rainger
Cllr Bill Seale
Cllr Sara Fox
Cllr Lesley Hill
Cllr Tom Daly
Ashley Lancaster
Stan Smyth
Laverne Fawthrop
Murray Graham
Matthew Dent
Mike Taylor
Janet Fendley
Sheila Filby-Woznow
Jenny Kirtley

Independent Chair
Co-Opted Member
Co-Opted Member
Sizewell Residents Association
Snape Parish Council
Aldringham-cum-Thorpe Parish Council
Aldeburgh Town Council
Leiston-cum-Sizewell Parish Council
East Suffolk Council
Project Manager, Erith
[?] Erith
Environment & Sustainability Advisor, Erith
Associate Director, Enzygo
Minute Taker
Friends of the Earth
Friends of the Earth
TASC
TASC

Operators Officers

Alan Walker
David Squirrell
Cath Pritchard
John Carey
Pat Morris
James Heavingham
Alex Lord
Aiden Kelly
Themis Kantara
Richard Parlone
Niki Rousseau
Sean Verrall
Pip Hatt
David Prescott

Site Director, NRS
Decom Project Manager, NRS
Secretariat and Comms Officer, NRS
Sizewell A Staff representative, NRS
[?] NRS
Environment Agency Inspector SZA
Environment Agency Inspector SZB
Senior Regulated Industry Officer, Environment Agency
Environment Agency
Radiation Protection Officer, EDF
Community Relations Manager, EDF
Technical and Safety Support Manager, EDF
Corporate affairs NDA
ONR Principal Nuclear Safety Inspector

Apologies

Bill Hamilton
Andrew Bull
Robert Gunn
Pete Wilkinson
Cllr T-J Haworth-Culf
Cllr Alistair Lumpkin
Cllr Nicky Corbett

NRS Communications & Stakeholder relationships
ONR SZA Inspector
Sizewell B Station Director – EDF
Vice Chair
Suffolk County Council
Aldeburgh Parish Council
Leiston Town Council

DRAFT

4912. WELCOME

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

No additional declarations were made.

Apologies were received as listed. Sean Verrall was present as a substitute for Robert Gunn.

4913. MATTERS ARISING AND QUESTIONS FROM MINUTES AND ACTION TRACKER

Marianne Fellowes explained that she would raise outstanding action points with each presenter as they presented. She noted that clarification about the constitution wording had been sent out.

James Heavingham noted that on the final page of the SZA reports, where he had said the discharging of liquid effluent took five years, it should instead read five hours.

Mike Taylor queried action 4611 regarding RIMNET data, noting that Richard Parlone had offered the use EU data which coordinated the monitoring, but he had not seen the link in question. Marianne Fellowes noted that the link reflected in the action tracker had been sent out.

Richard Parlone said he would provide the link, and it should be included under action 4902, with 4611 being closed.

Marianne Fellowes noted the NDA reports and proposed that these be gone through at a sub-group meeting.

4914. SIZEWELL B REPORTS

Sean Verrall (Site Director, EDF)

Sean Verrall presented his report.

SZB had been running at full load since the last SSG meeting in January. There had been no significant safety events on site.

The SZB refuelling outage would be starting in October, with the first turbine being turned off on 6 October, and the second on 11 October. The total duration of the outage would be 60 days. Around £60 million would be invested into refuelling the reactor as well as routine maintenance. All four large rotors would be replaced in turbine 1 as part of planned maintenance. On the reactor side, inspection was taking place of the thermal sleeves, regarding a detachment discovered during a previous outage. There would also be a lot of in-service inspections taking place.

There were now just over 600 staff onsite. The proposed extension of life from 2035 to 2055 brought a lot of extra work, hence staffing and contracting resource onsite were being geared up with around a 10% increase planned for.

In December 2021 there had been an event involving a chiller unit, where there had been a leak of refrigerant gas. There had been no hazard to personnel or nuclear safety, but it had been reported to the Environment Agency and an internal investigation had been undertaken. A number of improvements had been made, which the nuclear regulation side of the Environment Agency had responded positively to. However, in 2023 EDF had been contacted by the climate change side of the Environment Agency, which intended to pursue a civil case against EDF. The final decision had been to fine EDF £75,000, which had now been paid.

Until recently there had been three seals in the forebay area. EDF had been liaising with a local charity, which had been checking on the health of the seals. A recovery and rescue

OFFICIAL

operation had been planned around a month earlier, but unfortunately one of the seals had died. The charity had confirmed the seal had not died from illness, and it may have come into contact with plant in that area. The other two seals were healthy. An unsuccessful rescue attempt had been made, and another attempt was planned before the outage. There was diving work and scans of the intake structure planned for the next outage to find the defect which had allowed the seals into the forebay.

EDF had been working with SZA on a transfer of ownership of a small area of land on the SZA site to the SZB site, to be used as storage area, avoiding use of greenfield sites. A new training building and new outage store were also being added to the site.

The amenity and accessibility fund had been well subscribed to in the year. Bids for the next year were welcomed. SZC had been working with Project 21, a charity working with individuals with Down's syndrome. SZB continued to work with SZC on this.

A formal freehold sale of a portion of the SZB-owned land to the SZC organisation had gone through. A nuclear site licence had been issued for a portion of that land. Marianne Fellowes noted that the site boundaries between SZB and SZC sites that had been sent to the SSG did not match what was in the system. Sean Verrall explained that the relicensing would take place in several stages, and the map from the ONR represented the likely end-stage. Marianne Fellowes noted that clarity was needed on this.

Marianne Fellowes noted that the previous SSG meeting had discussed reducing the amount of traffic from workers. She queried whether it was possible to get the postcodes of where workers were coming from, to facilitate making a case to the county council about appropriate schemes. SZB was increasing onsite numbers, and SZC would be increasing from 500 to 1,500 workers by December. Sean Verrall believed rough figures could be provided in directional terms.

Joan Girling queried the facilities provided on site for lorry drivers. Sean Verrall noted that only parking facilities were provided. Demand for large vehicles coming onsite had not changed significantly over the years. He suggested taking this up through the SZC forum.

Mike Taylor noted issues with workers monopolising local accommodation, which was becoming very difficult to find. Local people could not afford the rents which were being asked for as a result of the projects. Sean Verrall said he could not comment on the situation with SZC, but for SZB there had not been any issues reported back to him.

Trevor Branton asked whether the replacement of turbine rotors would be like-for-like, or whether there would be enhancements. Sean Verrall reported that on this occasion it would be a like-for-like replacement, but there was work ongoing with the supplier as part of a long-term operation to explore improved designs.

Cllr Tom Daly asked whether the outage would result in need for discharges and emissions. Sean Verrall reported that there were routine discharges as part of any outage, covered under permits. He could discuss the profile with Cllr Tom Daly outside the meeting, but it was nothing unusual or untoward. Marianne Fellowes suggested a virtual meeting to establish dialogue around discharges.

Cllr Russ Rainger expressed thanks for money and assistance via the helping hand scheme to the longship museum.

Alan Walker expressed concern at traffic speed down Lover's Lane and onto the site. He asked for support from SZA and SZB, which had not attended a meeting on the topic. Sean Verrall expressed his support and noted work which had already been done on the roads. He noted that, if number plates were supplied of cars in question, it could be investigated whether they were related the site.

Pat Hogan queried why additional staff were required to extend the life of SZB. SVC explained there were a number of big projects to extend the life of the site, including a lot of physical works and additional safety case work. Pat Hogan asked whether it was possible for some of

OFFICIAL

the SZB staff to use the SZC access to the site. Sean Verrall said once the SZC entrance to the site was open it would very much reduce the traffic coming via the front of the site.

Cllr Lesley Hill expressed her thanks to the apprentices at SZB for their work making the brazier for the D-Day beacon.

It was queried whether deer fencing could be considered on the south side of the estate. Sean Verrall said he would come back with an answer.

Marianne Fellowes noted that the deer had been displaced so were crossing at different points. Janet Fendley noted that she had heard a lot about culling of deer on Leiston Common.

Marianne Fellowes noted that the action 4848 (c) on the concentration levels of disinfectant was closed.

Marianne Fellowes noted action 4888 (b) regarding taking the flooding area on the B1119 to the Sizewell Emergency Planning Consultative Committee (SEPCC) meeting in June. Sean Verrall reported that this had already been communicated.

Marianne Fellowes noted action **4890, regarding information from SZC on use of SZB water effluence for its water strategy. Sean Verrall would provide a written response on this but confirmed that this would be taking place. Standing water had been pumped off the site through SZB, which had been controlled through normal surface drainage routes.**

Marianne Fellowes noted action 4657, regarding damage to the fuel rods from the Taishan incident. Sean Verrall reported there was still no further information.

Marianne Fellowes noted action 4848 (d), a request for an update on the desalination plant to be powered by SZB and where that might be sited. Sean Verrall noted this was more of a SZC matter.

Marianne Fellowes noted action 4905 (a), concerning information regarding comparative discharges at other sites. Richard Parlone would provide a written response to this.

Marianne Fellowes noted that at the previous meeting Alan Hatt had asked about new plans for sea defences, and the request from the SSG had been that SZA and SZB confirm they were fully aware of the ongoing work. Sean Verrall explained that this was one of the big impact projects from SZC to SZB, and EDF had a number of engineers directly involved in that project to make sure there was no detrimental impact. Marianne Fellowes noted that at the SZC main site forum it had been stated that there were no plans to do beach work imminently, but it had transpired it would be taking place in August. There was a current planning application regarding the footpath on the Suffolk County Council website for comment.

Joan Girling noted that SZB owned the SZA/B sewage works and SZA managed it. Joan Girling had previously asked whether a new sewage works would be put in place when SZC was up and running and had been told there would be a new sewage works for all three sites. Now it appeared there would be a new sewage works for SZC, and SZA and SZB would continue with the existing works. Joan Girling queried whether there would be an upgrade to the SZA/B sewage works. Sean Verrall explained that the intent would be to continue to manage the existing facility and ensure it met requirements. The sewage works would be included in the lifetime extension works.

Trevor Branton noted that in the construction of the SZB site a diaphragm wall had been employed to limit the effect of dewatering to the construction area. He queried what the plans were to limit the effect of SZC dewatering on SZB. Sean Verrall said he did not have that level of detail, but SZC would need to demonstrate a plan for where the drainage would go, and work was underway.

Alan Walker referenced the drain from Leiston sewage works to the sluice. A few years previously it had been partially cleared by SZC, which had helped. He asked what could be done about it. Sean Verrall would take this away.

4915. David Prescott (Site Inspector, Office for Nuclear Regulation)

David Prescott presented his report.

The handover from Daniel Gregory had given David Prescott a good grasp of the operation, but his familiarisation journey was continuing.

There had been a freedom of information request regarding sirens being heard locally. The response had been that there had been a series of sirens, and it was likely that more would be heard in future. The next level 1 exercise would be in July.

The ONR regulated both nuclear safety and security, conventional health and safety, and transport safeguards. An inspection had been carried out on maintenance and testing on security-related electrical equipment, where no shortfalls in compliance had been identified. The conventional health and safety team and internal hazards team had been on site to look at fire safety and some of the facilities. The outcomes of these inspections had been positive.

A convention on non-nuclear health and safety inspections had been held looking at chemistry commodities and how they were managed, stored and distributed onsite. An inspection had been held in conjunction with the Control of Major Accidents Hazards (COMAH) team, and no shortfalls had been identified with SZB, but there had been a corporate issue around accident assessments across the EDF fleet.

Marianne Fellowes noted that the EDF corporate methodology for compiling reviews at SZB had been highlighted at the previous SSG meeting as requiring improvement. It had also been found that the record-keeping for training of reactor operators required improvement. She asked for further details on the latest finding. David Prescott explained that EDF had a fleetwide corporate centre and issued company specifications as to how to deal with different functions, which amounted to a risk assessment of the risks with storing chemicals, what could go wrong, and what mitigations would be put in place. The lessons learned would apply across the EDF fleet.

Alan Walker noted that everyone was used to hearing the sirens and often took no notice. He suggested that a text message be sent out whenever there was a test. Niki Rousseau noted that a letter was sent to Sizewell residents each year with the dates of tests. Alan Walker noted that there was an existing emergency text service and asked that this be extended to tests.

Joan Girling noted that there had used to be a document entitled 'Tolerability of Risks', and she had been told a few years ago that it would be updated, which she believed was now an ONR responsibility. Joan Girling queried whether there was such a document and where it could be found. David Prescott noted that this document was still referred to and suggested it would be on the ONR website.

Marianne Fellowes wished Daniel Gregory well on his new role training new inspectors.

Marianne Fellowes queried the circumstances around the issuing of the licence to SZC. David Prescott noted that the SZC was not present but explained that the issuing of the licence meant applying all 36 conditions. A lot more scrutiny would be applied by the ONR going forward. As a now-licensed site, all of the other aspects were now within the remit of the ONR.

4916. Alex Lord (Environment Agency)

Alex Lord presented his report.

OFFICIAL

The Environment Agency had joined the ONR on the COMAH inspection and had issued its own report. Inspections had also been carried out of EDF's monitoring of radioactive discharges, which had been concluded the previous day. There had been no non-compliances found, but a number of observations and recommendations had been made.

As part of the GRR guidance covering decommissioning and how sites should be left, the Environment Agency had included a new permit condition, as well as a condition to present documents demonstrating compliance with guidance and permit conditions. At the end of 2023, those documents had been received for SZB, which was the Site Wide Environmental Safety Case (SWESC) and the waste management plan. Any change to requirements would require stakeholder consultation.

On environmental monitoring, operators were required to carry out their own extensive environmental monitoring programme. Reports were received on a quarterly basis. In the last quarter, one result had been reported as having had a data collection error, which meant those results were invalid for the quarter. This related to thermoluminescent dose (TLD) meter, which measured direct dosage at the site boundary. There was nothing to indicate anything untoward, but the assurance measure was missing. A CCS4 breach had been issued, relating to a breach with no environmental impact. Some improvements had immediately been made by EDF, and the Environment Agency was satisfied with the response.

On the refrigerant gas leak, this had occurred a number of years previously, and the Environment Agency had been satisfied with the initial response. In follow up, the Environment Agency's climate change committee had recognised the issue and issued a civil sanction.

The land transfer between SZA and SZB sites required a minor permit change, though there was no change to activities being carried out or to limits or conditions of the permits. There were a number of ongoing engagements around developments on the SZC site.

Mike Taylor noted the TLD meter issue, and queried whether anyone who had been exposed could not recognise it. Alex Lord explained that this was an assurance measure. People would only have received a standard dose, and no additional dose to anyone was expected. Mike Taylor noted a potential issue for SZB relating to a number of permits which had not been requested by the developer relating to the water supply. Alex Lord said SZC had not requested to do any significant abstraction for water use. If agreements were required with the water company, that would be between the operator and the water company.

Marianne Fellowes queried, if a whole quarter was missing from the TLD records, whether the Environment Agency would go back to the same quarter in the previous year and add in an average amount, and how the annual total would be reported. Richard Parlone explained that there would be an estimate using the best available data.

Marianne Fellowes noted that no radioactive waste would remain on site past the end of the station life, and queried at what point end of life would be. Alex Lord explained it would be final site clearance, when the site was released from regulation.

Jenny Kirtley queried the status of the pinhole in one of the flasks. Marianne Fellowes clarified that there had been a pinhole failure in container 19 in the dry fuel store, which was still under monitoring. Sean Verrall stated that this was still under review. Marianne Fellowes asked to keep this on the agenda.

Joan Girling queried whether the fine imposed regarding the leak of refrigerant gas meant SZB had had to change the type of gas, or only to manage it in a better way. Alex Lord explained that SZB did not have to change the gas but had improved its management of the gas. Separately, there was a significant programme of work to improve the chiller units. Sean Verrall said improvements had been made, but there was a multimillion-pound investment programme over the next three to four years progressively replacing with a smaller volume of more benign refrigerant.

4917 SIZEWELL A REPORTS

Alan Walker (Site Director, NRS)

Alan Walker presented his report. He introduced himself and explained he had taken over as SZA site director at the beginning April, and this was his first SSG.

In the last quarter there had been one injury onsite, where an individual carrying out deplant work using a ratchet and socket had slipped and caused injury to their finger.

Jet washing had been undertaken using clean water, some of which had been discharged to a soakaway, which was not permitted. This had been a noncompliance with the permit requirements, but there was no consequence on this occasion as it had fundamentally been tap water.

As part of mitigation on the turbine hall, bat boxes had been installed on site. There were a pair of peregrines nesting onsite.

There had been no security incidents onsite in the last quarter.

SZA had supported the Earth Day campaign on 22 April, with a number of displays onsite and questionnaires to promote environmental awareness and engage the workforce. STEM ambassadors had visited Suffolk One College to promote STEM. A number of displays and activities had been well received. There were currently six apprentices onsite, with three more due to join in September, as well as five trainees within the waste department.

In terms of asset and infrastructure care, focus had been on removal of redundant assets. Deplant work had begun on old diesel generating sets. At the reactor building work had been taking place to right size the water system. The ha-ha wall had been completed at the front of the site, along with various security enhancements and various additional barriers and signage at the car park.

SZA was working towards the land transfer of the old National Grid substation, focusing on isolation and diversion of services. The area had been netted over, to prevent wildlife access. The new security fence to segregate the area was almost completed. A number of tunnels running from the substation to the turbine hall had also been blocked up.

Ashley Lancaster Erith, presented an update on the turbine hall and boiler cells project. She explained they had started on site in July 2022. The first job had been asbestos removing and scaffolding. The turbine hall had had a major asbestos removal, but there was still some residue left. This had started in October 2022 and was still ongoing. Deplant had started in July 2023. Currently pipework in the basement was being deplanted. There was a planning application under consideration for demolition of the turbine hall, which was hoped to start in July/August. Planned contract completion was currently January 2025. Legacy scaffolding was being removed from R1 and R2 boiler services, dating back 13 years. The scaffolding had been wrapped in polythene, and so was unsafe to stand on and had been difficult to remove, but this had been achieved on time and within budget. The team was 36 people, at peak numbers, and had expended 90,000 hours to date. The proposed methodology was explosive demolition of the plinths, which was under discussion with the NRS.

Murray Graham reported that the screening opinion had been issued in January 2023, which was where the local authority had been contacted to seek advice in terms of the 2017 regulations. Its opinion had been received in November 2023, and it had highlighted areas of potential risk, including air quality and dust, ecological impact, noise, vibration, potential traffic and transport impact. A number of other technical reports had also been requested. Environmental statements and supporting planning statements had been submitted on 4 April 2024. The consultation period was now ongoing. Council officers would be visiting the site the following day.

Cllr Lesley Hill noted that the planning application had come to Leiston Town Council the previous Tuesday, but there had been no opportunity to study it and so it had been asked to be deferred. One concern was around the designated route for HGVs and the route for

OFFICIAL

ordinary vehicles, some of which was being signposted through Leiston. Cllr Lesley Hill had invited Alan Walker to come and speak to councillors, and he had agreed to do so. Murray Graham explained that there was a plan in the statement for HGVs and cars. Cars would go either via Lover's Lane or through Leiston. The most appropriate route for HGVs was deemed to be [Oxford Road?] to Lover's Lane and onto the site. Cllr Lesley Hill noted that the use of Abbey Lane for cars would also be an issue. Murray Graham noted that a deferral of the planning application was not within Erith or Enzygo's power, but they were happy for the consultation to be extended.

Mike Taylor queried the radiological monitoring for the turbine hall materials. Alan Walker said this had all been done up front.

Trevor Branton queried whether there had been much opportunity to reuse plant rather than recycling. Alan Walker stated that almost everything had been recycled rather than reused. Alex Lord said the subcontractor was not able to reuse the plant as a whole, but there was an element that could be reused.

Alan Walker noted there had been a number of black redstarts onsite and asked for an update on them. Alan Walker was not sure of the current numbers onsite. Nesting boxes had been installed in areas to encourage them.

Joan Girling noted SZC traffic being directed through Leiston, and that it was better that Abbey Lane be used, though Abbey Lane would require a speed restriction. Alan Walker appreciated the concern, but NRS had no control over SZC signage. Marianne Fellowes noted that no one from NRS had attended the Northern Transport Forum or Southern Transport Forum. A coordinated strategy was needed for all vehicles coming to the SZC site.

Jenny Kirtley stated it would be useful to have somebody at the SSG from SZC to answer questions on SZC. Marianne Fellowes said she had been attending each of the community fora.

Marianne Fellowes noted action 4873 (b), concerning work to cap off the sewage and waste lines at the rigs. Alan Walker reported that the treated sewage lines were still in use as the sewage plant was still in operation, and the active effluent discharge line was still in use. These small-bore pipelines had been installed in 2009 and would be decommissioned when no longer required.

Marianne Fellowes noted action 4891, concerning recategorisation of waste, in respect of which the new governing document had come up and would be subject to a sub-group meeting. Alan Walker noted that nothing formal had come through to NRS at site level, but it was known that the low-level waste acceptance criteria were due to change that year. No changes were expected to the classification.

Marianne Fellowes noted action 4903 (a), concerning impact of sea defence work. Alan Walker reported that NRS was aware of the planned works and had interface meetings.

Marianne Fellowes noted action 4903 (b), concerning an update on wet ILW. Alan Walker explained that wet ILW onsite was comprised of sand and gravel from filters to remove particulate, and sludge generated from backwash and collected from operational areas during decommissioning. This waste would be retrieved into ductile cast iron containers for conditioning and interim storage at Bradwell. It was anticipated there would be seven packages. Retrieval would likely be 2030.

Mike Taylor queried the risk of spraying water, identified as a health hazard if the water had been contaminated.

4918. Andrew Bull (Site Inspector, Office for Nuclear Regulation)

Andrew Bull was not present at the meeting.

4919. James Heavingham (Environment Agency)

James Heavingham presented his report.

In January, an inspection had been carried out on environmental and sustainability leadership and culture. There were regular briefings to all staff and regular training given. There was also a forum to allow staff feedback and a sustainability group set up. That afternoon an onsite inspection would be carried out looking at the number of environmentally qualified people onsite to ensure there were enough to meet permit compliance requirements.

On the permit transfer being undertaken, there should be an outcome in the next few weeks.

On emissions, the gaseous and liquid effluent results had been received for the first quarter of 2024. Level of gaseous emissions remained low, and there had been no discharges of radioactive effluent into the sea.

Joan Girling queried the two different types of discharge: sewage and other. She asked whether these were not added together. James Heavingham confirmed this. Joan Girling asked whether the sewage was monitored. James Heavingham explained it was not a requirement under permit conditions, but SZA did monitor and report on any radiological contamination.

4920 NRS Corporate Update - Introduction to Thinks Insight

The report was noted.

4921 NDA REPORTS

Marianne Fellowes noted that Bill Hamilton was not present, but a report had been received. Pip Hatt was present virtually to highlight key points from the report. Pip Hatt thanked the SSG for allowing her to attend remotely.

The government and devolved administrations had published their updated policy on management of radioactive substances. This followed the 12-week consultation undertaken in 2023. The aim was to deliver earlier and more cost-effective nuclear decommissioning without sacrificing safety, security and the environment. The NDA would work closely with stakeholders on this.

The NDA was engaged in the NAO's value for money study into whether Sellafield and the NDA were taking a sustainable approach to decommissioning, leading to permanent hazard reduction. This had been running for a few months, and key members of the audit team had visited the site. A lot of desktop work needed to be conducted, and it was not expected the report would be published until October.

The Permanent Secretary and Second Permanent Secretary of the Department for Energy Security and Net Zero would be visiting Sellafield at the end of May. This would provide them an opportunity to see and appreciate the scale of operations and complexities involved in decommissioning high-hazard facilities.

The new chair of the NDA was Peter Hill, who would be starting from 1 June 2024. Peter Hill was currently chair of Keller Group plc. Outgoing chair Chris Train would continue as a non-executive director on the NDA board. Lawrie Haynes had been appointed as interim chair of Sellafield Ltd from 1 May 2024.

A draft scope for the SSG review had been circulated. This exercise would provide an opportunity to reflect on the successes of the stakeholder voice in the local community over the past 20 years. Three SSG meetings would be visited as a part of this.

OFFICIAL

Marianne Fellowes noted that this was the first time someone had joined the SSG remotely, and she was pleased it had worked. Marianne Fellowes hoped it would allow the SSG to go back to rotating meetings around community venues.

4922 CHAIR & VICE CHAIR REPORT

Marianne Fellowes reported that there was a meeting on 8 and 9 July with the NDA, as well as in September. She invited attendees to submit any questions.

Marianne Fellowes had been attending the SZC forum. The most important aspect which had come up had been traffic and transport with increased activity. Workforce numbers and traffic activity would be increasing. She encouraged SSG attendees to read the notes of the fora meetings. Town and parish councils were represented at the fora, and questions could be fed in via councillors. There were also various working groups. How these worked was still a work in progress. The SZC website hosted documents, agendas and dates of the meetings, whilst the East Suffolk Council website hosted the notes of the meetings.

Cllr Lesley Hill reiterated a plea from the SZC office for people not to wait for fora meetings if there was an issue, but to go to the SZC office.

Joan Girling noted that the portfolio holder with responsibility for highways at the county council would be worth writing to regarding the traffic issues.

Marianne Fellowes would extend an invitation to the SSG to the portfolio holder.

4923 ANY OTHER BUSINESS

Marianne Fellowes noted that, due to a clash of dates, a new date in September was needed for the next SSG meeting. Attendees would be kept updated.

Marianne Fellowes thanked all present for their attendance. All PowerPoints would be available on the website. There being no further business, the meeting was closed.

Next meeting dates: TBC.

Ref #	Brief description	Who	Update/comments and suggested STATUS
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. Radioactive Incident Monitoring data now called Radiological Response & Emergency Management System (RREMS). Network of gamma dose rate monitoring sites reported quarterly by coordinates, so not easy for members of the public to understand. Ambient gamma radiation dose rates across the UK - GOV.UK (www.gov.uk)
4833 12/10/23	Request for Sohail to update on the new campaign for wet ILW.	SA SZA and JR ONR	Sohail Ashraf to update on the wet ILW campaign AW advised: wet ILW onsite was comprised of sand and gravel from filters to remove particulate, and sludge generated from backwash and collected from operational areas during decommissioning. This waste would be retrieved into ductile cast iron containers for conditioning and interim storage at Bradwell. It was anticipated there would be seven packages. Retrieval would likely be 2030. CLOSE
4835	Request for update on water and sewage output	Peter Reynolds EA	Answer questions regarding water and sewage output. Chair to check with stakeholders regarding outstanding questions OPEN
4860 (a)	Subgroup to be held to review Gov consultation on radioactive waste management.	SSG/NDA	Awaiting information on plans to reclassify waste streams. Has been replaced with GGR (new regulation levels) further information to be circulated by Chair/Secretariate and sub group meeting date agreed. CLOSE – changes have been made to management of radioactive waste
4873 (a) 29/06/23	Accredited disposal route for LLW from SZA?	Sohail Ashraf	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. SA agreed to find out and confirm back for SZA LLW. OPEN
4873 (c)	Sohail Ashraf to explore the truth of a blog claiming hazards to health from dust and water	Sohail Ashraf	Noted that planned demolition was over a year away, and if suppression systems were needed then water testing would take place. Mike Taylor to provide content of blog to SA.

4875	EA to provide further information re: the frequency of discharge into the sea and the process for notification.	JH SZA EA	Radiological liquid waste collected into tanks at SZA, and when full it was sealed and tested prior to any release, information was requested on the frequency of discharge into the sea and the process for notification. OPEN
4878	RWM to confirm % of HLW area at GDF would be allocated for Spent fuel	RWM	Question to be forwarded for response. OPEN
4888 (a) 01/11/23	EDF to review minimising traffic during the SZB outage work in 2024.	EDF	Noted additional workforce on site during the outage in 2024. Robert Gunn said there would be 1,300 people on site during the day. Agreed to consider options and to report back. OPEN
4890	Information requested on SZC proposal to use SZB water effluence for its water strategy	Nikki Rousseau	SZB EDF NR agreed to forward question to the SZC Office and report back. OPEN
4905 (a)	RG to bring information regarding comparative discharges at other sites	SZB	
4906 (a)	email to be forwarded to Chair/Secretariate regarding use of SZB water for SZC		
4910 (a)	Subgroup meeting to be held on Emergency Planning and Coastal Defences	Chair and Secretariate	
4910 (b)	Future presentation by National Grid to SSG or subgroup meeting	Chair and Secretariate	
4910 (C)	Report of relevant matters from SZC Forums to be included in SSG meetings.	Chair and Secretariate	

4914 (a)	Request made for SZB to consider installing deer fencing on south side of the estate, due to displacement	SV to investigate	
4914 (b)	Request made for SZB to assist by clearing the Leiston sewage drain	SV to investigate	
4922	SCC Portfolio holder for Transport to be invited to join the SSG	Chair/Sec	Portfolio receives minutes. Matters can be highlighted by local ward Member.

OUTSTANDING ACTIONS FOR PROGRESSION WITH REGULATORS/OTHERS

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	Chair and PHE	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.

4847 (a) 15/03/23	DG to contact SZC colleagues regarding IRSN report & EPR to provide to Members.	DG ONR SZB	To be discussed with DG at Regulator update meeting
4848 (b)	PW to forward BMJ article on Low Level Radiation to EA Alex Lord, for EA comment	PW/EA and UKHSA	Provided. Awaiting comment from UK Health Security Agency.

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
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 (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. Visit Office in Leiston or telephone any questions. CLOSED transferred to SZC Forum
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
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
4681	Near shore surveys and update by EDF Energy & attendance requested re: SZC overlap issues	Secretariat to invite	Request sent to EDF who declined to attend. CLOSED to be forwarded to SZC Forum.

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. CLOSED
4846 (g)	Request to monitor and report back on additional light pollution – including from car park	SZB and Naomi Gould ES Planning Team	Request that anyone with future concerns documents and reports these. CLOSED
4848 (a)	Chair to send instructions on how to join EA stakeholder list to Members	SSG	Information provided to join EA stakeholder list for updates and to attend webinar. CLOSED
4857 (a)	Video of Bradwell site, how it managed its risk, requested.	SA	Will be provided at future SSG meeting. CLOSED
4861 (a)	Request for update on fish management at SZB and proposals for SZC	EDF SZB and SZC	Information provided by SZB. Transferred to SZC Forum. CLOSED

4868 (a)	SN to provide presentation and response regarding Magnox SZA residual waste stored at Sellafield at next meeting	SN/RWM	Presentation provided. Residual waste was stored after reprocessing ceased. CLOSED
4876	Chair/Secretariate to recirculate the answer on EDF's contribution to the nuclear liability fund	MF	Provided. CLOSED
4657	Taishan – damage to fuel rods, EDF requested to circulate report when received. (New concerns reported 06/12/23)	Robert Gunn EDF	We have no further information, when more information becomes available, we will share with the SSG – Closed
4848 (d)	Request for update on desalination plant to be powered by SZB	EA for SZB/EDF	Closed – SZC Matter
4873 (b)	Confirm the work to cap off the sewage and waste lines at the rigs.	Sohail Ashraf	Sohail Ashraf stated that to his knowledge those lines had been capped off, and he would come back with confirmation. CLOSED
4891	Confirmation requested of NDA vision for SZA end state following the Department for Energy Security and Net Zero (DESNZ) proposal to re-categorise waste	Sohail Ashraf	NDA draft business plan now published and as of 04/12 open for consultation. CLOSED
4903 (a)	Impact on SZA of SZC sea defence work to be confirmed	SZA/SA	closed
4903 (b)	May meeting SZA report to include update on Wet ILW and Sewage lines	SZA/SA	closed

4894	NDA and/or NRS to be asked to confirm funding agreement with EDF for AGR decommissioning and fuel storage.	BH/NRS and NDA	Project Ruby is the agreement with UK Gov and EDF to share costs of decommissioning. Further information requested as national Chairs meeting with NRS Board members. NLF will cover defueling. NRS to deliver deconstruction portion of decommissioning. CLOSED
4902 (a)	Constitution to be updated and sent out with Minutes	Chair/Secretariate	Completed - CLOSED
4902 (b)	RP to provide address for accessible website for RIMNET data	SZB	Website confirmed, any problems Members to be report back so individual assistance can be provided - CLOSED
4903 (c)	Blog information regarding impacts of dust and water to be sent to SZA for comment regarding turbine hall demolition.	SZA/S	Duplicate of 4873 - CLOSED



Office for
Nuclear Regulation

ONR Site Report

NRS Ltd – Sizewell A

ONR Site Report

NRS Ltd - Sizewell A

Report for period: 01 April – 30 June 2024

Authored by: ONR Nominated Site Inspector

Approved by: Acting Delivery Lead – SDFW Division

Issue No.: 1

Publication Date: July 2024

Record Ref. No.: 2024/29999

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/lrc/>).

Site inspectors from ONR usually attend Sizewell Stakeholder Group 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.

Contents

- 1. Inspections 4
- 2. Routine matters 4
- 3. Non-routine matters..... 6
- 4. Regulatory activity 7
- 5. News from ONR 8
- 6. Contacts 8

1. Inspections

1.1. Date(s) of inspection

The ONR site inspector made inspections on the following dates during the report period 01 Apr – 30 Jun 2024:

6th June 2024

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 A covered the following:

- LC2 – Marking of the Site Boundary

This inspection, which was rated “green” under the ONR Inspection Rating Guide, judged the adequacy of the sites arrangements with respect to the position of the new site boundary due to the transfer of land from the A site to the B site. The inspection concluded that the new site boundary was adequate, and that adequate signage had been provided.

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

The site inspector attended site to meet with various members of the site team, and to receive updates on various projects.

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

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Office for
Nuclear Regulation

ONR Site Report

EDF Energy – Sizewell B

ONR Site Report

EDF Energy - Sizewell B

Report for period: 1 April – 30 June 2024

Authored by: Nominated Site Inspector

Approved by: Head of Operating Reactors

Issue No.: 1

Publication Date: August 2024

Record Ref. No.: 2024/33459

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/ilc/>).

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.

Contents

- 1. Inspections..... 4
- 2. Routine matters 4
- 3. Non-routine matters..... 7
- 4. Regulatory activity 8
- 5. News from ONR 9
- 6. Contacts..... 9

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 2024:

3 – 4 April

1 – 2 May

7 – 9 May

29 – 30 May

The ONR Chair, Chief Nuclear Inspector and Head of Operating Reactors made an inspection on the following date during the report period:

11 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:

- control and supervision of operations;

- staff training;
- emergency preparedness and emergency planning;
- outage preparations
- periodic safety review and long term operation
- nuclear site re-licensing and land transfer

Control and supervision of operations

The morning and afternoon Main Control Room (MCR) shift handovers were inspected. The Shift Managers and MCR Supervisors provided thorough situational and future focus briefings to the whole of their shift operations teams.

Work week planning was also inspected where future maintenance activities planned for three, nine and thirteen weeks' time were discussed, activity by activity, to determine what challenges and risks to delivery were evident and what measures were required to ensure successful completion. I noted professional, open and engaged dialogue was demonstrated by all present. I noted that attendees clearly understood the nuclear safety significance of the various plant items requiring scheduled maintenance.

The activities of the Work Execution Centre (WEC) during the handover of ongoing work to the Duty WEC duly authorised person (DAP) from the MCR Supervisor and within the WEC itself was inspected. We noted that the Duty WEC DAP is a post held following time served as an MCR Supervisor which is an appointed position. It was evident that the Duty WEC DAP was a suitably qualified and experienced person with significant plant knowledge.

We were content, from the sample of activities inspected, that the licensee carried out no operations which affected safety except under the control and supervision of suitably qualified and experienced persons appointed for that purpose by the licensee.

In this period, other routine Sizewell B matters covered the following :

Staff training

As Sizewell B Technical Specifications (tech specs) differ from the rest of the EDF fleet we decided to attend an introductory 3 day internal course to gain a greater understanding of their application. Fundamentally the tutors explained to candidates that the correct application of tech specs not only ensures compliance with LC23 'Operating rules' but also ensures compliance with LC28 'Examination, inspection, maintenance and testing' through the introduction of specified surveillance requirements and surveillance programmes.

The 3 day course ended with a 2 hour assessment where candidates had to achieve an 80% pass mark. The assessment was suitably challenging and provided us with assurance that participants (who on this occasion were mainly from design authority and maintenance planning functions) were provided with sufficient entry level knowledge of the application of tech specs to assist them in their roles.

Emergency preparedness and emergency planning

During routine interventions, the following were inspected:

- Alternative Access Control Point (AACP) (located within the RCA)
- Main Access Control Point (ACP)
- Emergency Control Centre (ECC)
- Auxiliary Shutdown Room (ASR) (which also provides plant state indication) should the main control room be untenable.
- The offsite Emergency Response Centre (opened in ~2012 which included storage and maintenance facilities for EDF's (post Fukushima learning) deployable back up equipment (DBUE); district survey facilities; backup ECC)
- A shift exercise
- Annual emergency planning performance review meeting

From the sample inspected, we were content with the facility conditions and emergency preparedness at the site.

Outage preparations

The outage intentions meeting for refuelling outage #19, commencing in October, was held during the period. We will continue routine interactions on outage readiness until the outage commences.

Periodic safety review

Our assessment of the third periodic safety review (PSR) for Sizewell B remains ongoing. Our decision on the adequacy of the PSR is due in January 2025. During this reporting period a number of interventions with the licensee have been undertaken by our specialist inspectors to assist in their assessment work.

Long term operation

The licensee has requested us to conduct a review of their work to assess the technical and safety issues associated with extending the operational lifetime of

Sizewell B by 20 years to 2055. Whilst we do not have a formal role in determining the generating lifetime of a power station (this is the licensee's responsibility), we have agreed to review their proposal, consistent with our enabling philosophy. This review remains ongoing.

Nuclear site re-licensing and land transfer

During this reporting period our specialists have been assessing a re-licensing proposal associated with a small parcel of land transfer from Sizewell A to Sizewell B. There is no nuclear safety significance to this work but legally administrative in nature.

2.2. Other work

The site inspector attended the site stakeholder group in May and briefed those present with a summary of recent interventions.

Members of the public, who would like further information on our inspection activities during the reporting period, can view site Intervention Reports at [ONR Intervention Reports](#) 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

We may issue formal documents to ensure compliance with regulatory requirements. Under nuclear site licence conditions, we issue 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.

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 [ONR - Email newsletter - 'ONR News'](#).

6. Contacts

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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 May 2024 to September 2024.

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 Nuclear Restoration Services (NRS) to discuss the work taking place on site that could have an environmental impact, and we review quarterly discharge and environmental monitoring returns.

In May 2024, we reviewed the availability of suitably qualified and experienced persons to meet the requirements of the environmental permit. We considered NRS's resilience to address any staffing gaps or shortfalls to ensure continued compliance with permit conditions. We found that NRS has sufficient competent persons and resources in place as required by the environmental permit. The system for managing operational and supervisory competencies is well-understood and robust. There are appropriate processes in place, including senior management oversight, to check policies and procedures are implemented correctly and complied with. We did not identify any non-compliances with the environmental permit, but we did make several recommendations to improve NRS's documentation system.

In September 2024, we undertook an inspection to check that NRS have sufficient oversight and control of the Erith staff (the principal contractor) undertaking the demolition of the Turbine Hall. This was to ensure that the risk and impact to the environment was being minimised and included a review of the management of the produced non-

radioactive demolition waste. NRS staff were able to demonstrate a high level of management oversight and control of contractors, and we were satisfied that the environmental impacts were being adequately controlled. Several areas of good practice were noted, particularly the proposed transfer of the treated demolition arisings from the Turbine Hall to Sizewell C for use in temporary construction works. This is a good example of the circular economy and reuse of materials. It will also reduce the number of vehicle movement that would otherwise have been required to transfer the demolition waste from site. We did not identify any non-compliances with the environmental permit.

Sizewell B

Alongside our inspection programme, we have maintained bi-weekly telephone and regular email contact with EDF, and routine review of returns. There were no reportable environmental events in the period.

In May 2024 we carried out the second part of our Nuclear Operator Monitoring Assessment (NOMA) inspection. Following on from our previous inspection of liquid and gaseous waste, we assessed EDF's monitoring of solid waste streams and the environment. We have issued our findings from both inspections in a RASCAR. We highlighted areas of good practice including management of monitoring and quality assurance activities such as the inter-laboratory comparison. Waste monitoring is appropriate for the plant and operational phase. No non-compliances were identified during the NOMA inspections, but we will follow up on recommendations and observations made.

The Long-Term Operation (LTO) programme seeks to extend Sizewell B's operational lifetime from 2035 to 2055+. EDF has produced a Life-Time Safety Report (LTSR) to articulate the safety and technical confidence (not justification) in LTO to inform the business decision. In June 2024 we reviewed the LTSR report and concluded that the LTSR is supported by a substantial programme of work (relating to SQEP levels, ageing and obsolescence of plant, and climate change) to justify the LTO and that environmental protection functions of the station are considered. We expect additional work to support the LTO to review the application of Best Available Techniques (BAT) and relevant good practice across the site, to ensure it is applied for the extended operational plant lifetime. LTO is also not expected to necessitate any changes to the general management and compliance arrangements outlined in the current permit.

Enforcement

Sizewell A

We have not taken any enforcement actions at Sizewell A in the period since the previous SSG meeting (14 May 2024). The operator has remained compliant with the requirements of their permits.

Sizewell B

As noted in the previous SSG, EDF's Thermoluminescent Dosimeter (TLD) results for the quarter 4 Environmental Monitoring Programme (EMP) submission were invalid, as a result of samples being X-rayed within the postal system. We have since issued a category 4 (minor) non-compliance against the environmental permit due to failure to implement BAT. EDF has confirmed that refresher training has been provided to the security staff involved. We now consider this matter closed and do not intend to take any further enforcement action unless repeat incidences occur.

Environmental Permitting

Sizewell A

In April 2024, we were formally notified that Magnox Ltd had been renamed Nuclear Restoration Service Ltd. We have updated the Sizewell A permit to reflect the administrative change of company name.

In July 2024, we decided to grant the partial permit transfer application from NRS and EDF to transfer an area of land within the Sizewell A site boundary, known as the grid substation land, from NRS Sizewell A (EPR/ZP3193SW) to EDF's Sizewell B (EPR/XB3539DH) permit. There are no aqueous or gaseous discharges associated with the area of land to be transferred. Additionally, the partial transfer of the permit does not add or remove any disposal routes or change any existing limits imposed on discharges.

An environmental assessment of the former grid substation land was commissioned and submitted by EDF Energy Nuclear Generation Limited. This includes site investigation works and associated risk assessments. The report concluded that the land does not present an unacceptable risk to human health or the environment.

The Notice of Transfer detailing the changes and the consolidated permit EPR/ZP3193SW/T004 were issued on the 24 July 2024 and became effective on the 26 July 2024.

Sizewell B

The above joint partial permit transfer application resulted in changes to the EDF permit boundary for Sizewell B (by incorporating the grid substation land). Additionally, as part of the joint application we processed a change in EDF's registered office address. As there was no change to the legal entity or the registered company number, the change in operator was processed as a Change of Facts. On 24 July 2024 issued a Notice of Transfer detailing the changes, and issued consolidated permit EPR/XB3539DH/T008, effective from 26 July 2024.

There are no changes for the Sizewell B Compilation of Environment Agency Requirements, Approvals and Specifications document (CEAR) however the document has been re-issued.

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.

NRS 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 NRS 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 2024, covering the reporting period April to June 2024 (inclusive) showed that all liquid and gaseous discharges from Sizewell A were at levels well within permitted

limits. No discharges were made via the main radioactive liquid effluent route during the reporting period.

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 NRS. 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 March 2024 to July 2024 (inclusive), and returns were submitted to us within the required timescales. 12-month cumulative gaseous discharges of carbon-14 remained less than 73% of the annual limit, with other gaseous discharges less than 28% of respective annual limits. Liquid discharges were in-line with expected levels and remain less than 15% of the annual limit for tritium, and less than 6% 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 2022 was published in RIFE report 28 (RIFE 28) in November 2023, 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 less than 0.005mSv in 2022, down from 0.016mSv in 2021, and less than 0.5% 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 NRS and EDF. In June 2024 we received the latest environmental monitoring report covering the period from January to March 2024 (inclusive).

An elevated radiation dose-rate was recorded on a quarterly thermo-luminescent dosimeter (TLD) at one location on the Sizewell A site perimeter fence. The result was due to the storage and movement of waste from the ponds in this area. NRS are reviewing the installation of further shielding for the storage of these items. We were informed of the anticipated dose-rate in advance, as well as after it was confirmed. We did not deem further action necessary.

The other results are 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.

Sizewell C

In 2023 we issued new environmental permits to Sizewell C Ltd for a new nuclear power station to be built at Sizewell. 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 held an Environment Agency 'meet the regulator' event on 30 September 2024 to discuss Sizewell C related issues with stakeholders. We held a national meet the regulator meeting, to focus on national or common issues, on 24 September 2024.

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. We also support NRW in this role in 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. Alex is supported in regulating Sizewell B by Themis Kantara.

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

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

customer service line 03708 506 506

incident hotline 0800 80 70 60

floodline 03459 88 11 88

Page 5 of 6

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>



NDA Update for Sizewell SSG

October 2024



Contents

1.0 NDA Stakeholder Update October 2024



NDA Stakeholder Update

Please find below a brief update on main points of interest since the last meeting.

General Election

Following the General Election the Labour Party, with Sir Keir Starmer as the new UK Prime Minister, won with a majority of c170. Within the Department for Energy and Net Zero the Rt Hon Ed Miliband has been appointed as the new Secretary of State with his team of Rt Hon Lord Hunt OBE as Minister of State for Energy and Net Zero, Sarah Jones MP as Minister of State for Industry, Kerry McCarty MP as Parliamentary Under Secretary for Climate, Miatta Fahnbulleh MP, Parliamentary Under Secretary for Energy Consumers and Michael Shanks MP as Parliamentary Under Secretary for Energy.

The new Secretary of State has advised the priorities for the department are:

1. delivering our mission to boost energy independence and cutting bills through clean power by 2030
2. taking back control of our energy with Great British Energy
3. upgrading Britain's homes and cutting fuel poverty through our Warm Homes Plan
4. standing up for consumers by reforming our energy system
5. creating good jobs in Britain's industrial heartlands, including a just transition for the industries based in the North Sea
6. leading on international climate action, based on our domestic achievements

The announcement and launch of Great British Energy (GBE), a publicly owned, clean-energy company which will be headquartered in Scotland has now been made by the Secretary of State. The aim is to speed up the deployment of mature and new technologies, as well as local energy projects, to support the government's aim of decarbonising the UK's electricity system by 2030 whilst also ensuring we can meet future demand as we further decarbonise the economy. GBE will be paid for by a windfall tax on oil and gas giants and will invest clean power projects all across the United Kingdom. [Juergen Maier](#), former CEO of Siemens UK, has been announced as Chair of Great British Energy.

- Following the election we have seen significant constituency level change at NDA sites with ten now represented by a new MP
- We are contacting new constituency MPs at and around our sites and Ministers in key Whitehall departments introducing the work of the NDA group and seeking an early meeting.



- Additionally, over the coming weeks and months, we will be working through the policy implications of a new government for the NDA group.

Board updates

- As previously announced **Adrienne Kelbie CBE**, Chair of Nuclear Waste Services (NWS) board, will be stepping down over Summer 2024 and her successor has been announced as Liz Peace.
- **Harriet Kemp** recently (30th August) joined the NDA board. She has extensive background and experience in HR matters and remuneration matters including working at Compass Plc, Novartis and Pepsi.

Outreach activities

- During the pre-election period outreach activities was limited but a number of planned commitments which were postponed are now being rescheduled. This included a site visit by the new Energy Minister Lord Hunt. Lord Hunt recorded a short video after his visit which can be watched on the Sellafield Ltd Facebook [page](#)

Engagement priorities for 2024

- We recently held our **Stakeholder Conference** on September 17/18 in Manchester. We'd like to thank all those that attended and engaged and if you haven't already we'd like to encourage you to provide us with feedback via [Slido](#). In due course we'll be putting up videos from the event so check out the [NDA linked In page](#). During the event David Peattie announced that the NDA would be investing an extra £5m over the next five years to support around 20 PhDs. This builds on the current annual spend of £45m in early careers, including apprenticeships, graduates and PhDs.
- In response to previous feedback, the first **SSG Chairs and Vice-Chairs event** to reflect a group-wide approach involving the NDA, NRS and other OpCo CEOs was held on July 8/9. This combined event provided richer discussion and a chance for the SSG delegates to talk about their opportunities and challenges. It also featured updates on socio-economics and the NDA's heritage strategy.
- As mentioned in previous updates, our **independent review into the SSGs** is underway. This exercise will provide an opportunity to reflect on the successes of the stakeholder voice in the local community over the last 20 years. It will also allow us to consider how best to address some of the challenges that face us as we think about the future. Our Chairs and Vice-Chairs played a role in helping to draft the scope of the review and they received a short progress update at the SSG Chairs and Vice-Chairs meeting mentioned above.
- We are in the process of developing and designed our next broad **stakeholder survey**. More details will be available in due course.
- Preparation is underway for **Strategy V** which we expect to publish in March 2026. Our strategy document is published every 5 years and describes our high-level



approach to delivering our mission. Within that we identify several critical enablers essential to the successful delivery of our mission including public and stakeholder engagement. We will engage early with stakeholders during the development of the document and its subsequent consultation.

Publications, public service and policy updates

- The previous Government and devolved administrations published an updated policy for nuclear decommissioning and managing radioactive substances, including radioactive waste. Publication follows consultation undertaken last year on the proposals. [Read details of the policy here.](#)
- The policy included an expectation that the NDA should explore with stakeholders the potential for optimising the LLW Repository to take suitable, less hazardous intermediate level waste.
- Engagement with the local community and relevant stakeholders will be an important part of this work, alongside further technical evaluation. If appropriate, the project would proceed to creation of a final business case and seek necessary approvals.
- Nuclear Waste Services will be working with relevant key stakeholders to inform its thinking
- We expect to publish our Annual Report and Accounts in October
- The Scottish Government is about to start its review into its policy for higher activity radioactive waste (HAW). The policy framework is set out in a 2011 Policy and the 2016 Implementation Strategy. The anticipated timeline is: Commence review – mid 2024, Hold a public consultation – early 2025, issue a revised Policy document – late 2025.
- The new nuclear industry skills “roadmap” has been launched aimed at attracting and retaining the sector’s workforce of the future. The National Nuclear Strategic Plan for Skills (Skills Plan) is based on sector collaboration, investment in training, leadership development and improving diversity. The NDA is a signatory to the charter, which was signed at Westminster, that underpins the goal to double the number of new apprenticeships by 2026 and recruit 40,000 new jobs by 2030.
- The **NAO value for money study** into whether Sellafield and the NDA are taking a sustainable approach to decommissioning, leading to permanent hazard reduction is underway, with visits to Sellafield and formal interviews now completed. We expect the study to be published on 23 October.
- We have recently published our **Nuclear Heritage Strategy**. The NDA are tasked with decommissioning the UK’s legacy nuclear sites, sites and facilities which have been at the heart of delivering nuclear benefits for the UK, including national defence programmes and supplying safe, low-carbon power, for decades.
- The [heritage strategy](#) enables the NDA group to identify and preserve the tangible and intangible assets, objects, and memories of the nuclear industry, the people who worked in it, and the communities that supported it.



Mission delivery

- NWS and the NDA have established an innovative partnership for the enhanced management of asbestos waste, awarding two contracts to establish the **Asbestos Innovation Partnership**. This partnership will work with the NDA group and the supply chain, to test and develop new solutions to treat asbestos waste, helping to deliver efficiencies and enable more effective waste management.
- A collaboration between NRS, NTS and NWS has achieved a significant milestone by transporting the final waste from the Treated Radwaste Store (TRS) in Winfrith to the LLWR for disposal. The completion of this project ahead of schedule means that the need for **waste storage at Winfrith** which closed in 1990 has been removed, leaving the site ready for decommissioning.
- NDA and NRS have underlined their commitment to Government to, where possible, safely accelerate **land release at Harwell** site to maximise the economic impact of decommissioning. We have identified clear areas of strategic importance and will work together with the Harwell Campus joint venture on developing options for those areas. We are at early stages and still progressing the current release of plots, aiming to have a broader plan for land release this autumn.
- At Sellafield, the first transfer of fuel from an A1 skip to the new 63 can rack in support of the AGR programme has been made. This is a significant milestone presenting new capability that will, via further 63 can racks, enable storage of the volumes of EDF fuel needed into the 2030s.
- Industrial action at NRS Dounreay was suspended and work to rule ceased in period, to allow employees to be balloted on a new pay offer which was accepted.
- The hearing for the Office for Nuclear Regulation (ONR) charges against Sellafield Ltd under the Nuclear Industries Security Regulations 2003 took place on 20 June at Westminster Magistrates Court in London. Sellafield Ltd entered a guilty plea to all charges. We expect for the sentence to be pronounced in October.

Thank you for taking the time to read our update. If you have any questions, please feed-back through the Secretariat or ask Alastair Findlay, NDA head of regional affairs, who will be attending the meeting.



Nuclear
Decommissioning
Authority

Sizewell Stakeholder Group

Sizewell B report – October 2024

Sizewell B report - October 2024

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:

- 2 recordable injuries
- No nuclear reportable incidents
- No environmental incidents

Lost Time Injuries

In August, during installation works in the new outage store, an operative exited a mobile elevated working platform (scissor lift) and descended down the initial ladder. Upon transitioning down the steps, the operative lost their footing, subsequently falling to the floor and suffering a fractured heel.

The injured person was taken to hospital where they were assessed and informed of the injury sustained.

In September, during lifting operations in the outage store, a lifting hoist wire failed, and the load (a section of structural steelwork) fell approximately 900mm to the ground. The steel work (weight approx. 225 Kg) initially hit the ground and then fell onto an operative's foot.

The injured person received initial first aid and was then taken to hospital. The individual was wearing the appropriate safety footwear at the time.

Both events are being investigated by the station to ensure that we identify the root causes and take action to prevent recurrence.

Staffing at Sizewell B

We currently have 623 EDF staff this includes 13 Visitor Centre staff, 19 Apprentices, 4 Industrial placements, 3 Technical Trainees, 3 Graduates and 300 year-round contracting partners'.

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 2.5 million homes.

Sizewell B Refuelling Outage 2024

Sizewell B power station will be brought offline on **11 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 12,000 separate pieces of work which have been carefully planned during the last two years.

As well as refuelling the reactor, we will also deliver around £60million investment programme and routine maintenance work during the outage: -

- Turbine Generator rotor replacement – 3 x low pressure and 1 x high pressure
- Thermal Sleeve inspection
- Inspection of primary circuit pipework

The power station will once again work alongside a local supply chain in addition to international partners.

Preparation work for the outage begins at least two years in advance of refuelling the reactor as part of a ten-year strategic plan at the power station.

3. Sizewell B and community news

Government minister visits Sizewell B

In August, Sizewell B welcomed the Minister for Energy, Security and Net Zero, Lord Philip Hunt, on his first visit to both Sizewell B and Sizewell C sites.

Making the UK more energy secure is a top priority for the government and Sizewell B plays an important role in achieving that, as well as helping the UK meet net-zero goals.

Following a visit to Sizewell C, Lord Hunt joined Sizewell B, along with Mark Hartley, Director of Nuclear Operations for a tour of the turbine hall. They were introduced to two of our engineering maintenance apprentices, Mary Cuthbert and Caiden Shilling, who spoke about their experiences joining EDF as a career choice.

There was a great opportunity for the maintenance team to hear Lord Hunt's thoughts on UK energy policy and for Sizewell B to share our plans for long term operations and the support we require towards securing life extension.

Works to remove self-setting vegetation on the beach

Sizewell B will be removing some self-setting vegetation from the power station flood defences on the beach, in front of the power station, week commencing 23 September.

This work will be carried out by our environment team working with banksmen to ensure that the public are still able to use the beach whilst small areas where we are working are cordoned off for safety. This work is expected to take 10 working days to complete.

Sizewell B welcomes new apprentice intake

At the end of August Sizewell B welcomed our 6 new engineering apprentices as they begin their career journey with EDF. They were joined by family members at the Visitor Centre for a meet and greet and tour of Sizewell B.

The following week they head up to Cumbria to take part in an Outward Bound Centre as part of their EDF introduction and team building experience week. They then travelled to Cannington, Somerset for their first day at the National College for Nuclear to begin their 4yr Maintenance & Engineering Apprenticeship program.

Communities benefit from Sizewell B Sponsorship fund

Summaries of local projects awarded to date in 2024 totalling £9,600:-

• Alde Valley Academy Awards evening @Snape Maltings	£1000
• Friends of St Peters Sibton - churchyard wildflower scheme	£250
• Southwold Rugby Club - youth team trip	£500
• Alde Valley Family History Group - computer system upgrade	£250
• Saxmundham Judo Club - Olympic Community Club judo event	£500
• CAES (Citizens Advice) - purchased two lap-tops for community	£1000
• Suffolk Mid Coastal Woodturners - PAT tester machine	£250
• Sax Music Festival - 2023 event cancelled	£500
• AFC Kesgrave - youth football team kit	£500
• Leiston Long Shop Museum - advertising leaflet printing	£500
• Leiston Open Garden fundraising	£100
• Southwold Rugby club women's team kit	£500
• Rendham Parochial Church Council - Rendham Village Fete	£100
• PARK Rendham - Boules pitches for elderly	£100
• Aldeburgh carnival	£500
• SHAKE Festival CIC - Akenfield on Stage R&D production	£200
• Saxmundham Bowls Club - disability walking aid	£400
• Littlelifts & Woolverstone macmillan centre	£500
• Aldeburgh Town Council - Aldeburgh Sports week	£200
• Wickham Market Youth Football - team kit	£500
• Felixstowe & Walton United Football Club - team kit	£500
• Aldeburgh Triathlon - water bottles	£750
• Sizewell Sports & Social Club - fun day	£500

4. Company News

EDF maintains position as Britain's biggest generator of zero carbon electricity

EDF has published its [sustainability progress update](#), highlighting that the supplier continues to be Britain's biggest generator of zero carbon electricity, generating 18.4% of the nation's energy supply. The progress update also demonstrates EDF's ambitious plans in developing further low carbon solutions, which will create new jobs and help Britain achieve net zero.

To achieve this, the supplier is investing in the development of the UK's wind, nuclear, and solar energy infrastructure, reducing the country's reliance on fossil fuels. Projects like Hinkley Point C and Sizewell C, along with renewable initiatives, are central to these efforts, aiming to secure the UK's energy needs with reliable, long-term, zero carbon power.

Matching ambition with investment, last year EDF marked 25 years of operation in Britain, during which period it has invested £25 billion and, by 2035, EDF plans to significantly increase this investment, enabling £50 billion to develop 15GW of zero carbon electricity. Further, in 2023, for the sixth year running, EDF invested more into Britain than it made in profit (EBITDA) in the UK, in each of the last six years.

Over the last year EDF has reached significant milestones, including:

- Zero Carbon Generation: In 2023, EDF achieved its goal to reduce carbon intensity at the point of generation to zero.
- Hinkley Point C Milestone: Installed the dome on the first reactor at Hinkley Point C in December 2023, supporting 23,500 jobs and training over 1,300 apprentices.
- Socio-Economic Impact: Invested £24 million in education and skills, helping over 8,000 people from disadvantaged backgrounds.
- Renewable Energy Expansion: Operating 1.5GW of renewable capacity with an additional 14GW in development, including the Neart na Gaoithe wind farm set to power 475,000 homes.

For more information, please read the latest [EDF sustainable business update](#).

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