



Chapelcross Site Stakeholder Group

AGENDA

**Agenda for the SSG meeting to be held on Wednesday 29 November 2023
D&G Council Chambers, Annan Town Hall, Annan at 10am.**

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- 1. (10:00 – 10:02) Chairman’s welcome**
 - 2. (10:03 – 10:05) Announcements and apologies (*including any Declarations of Interest*)**
 - 3. (10:06 – 10:08) Minutes of previous meeting and Matters Arising**
 - 4. (10:09 – 10:29) Chapelcross Site Director’s Report - *Richard Murray, Chapelcross Site Director.***
 - 5. (10:30 – 10:45) NDA Update – *David Wallace, NDA***
 - 6. (10:46 – 11:00) NDA Soc Ec Update – *Jamie Reed, NDA Director of Socio Economics.***
 - 7. (11:01 – 11:10) NRS Update – *Bill Hamilton***
 - 8. (11:11 – 11:35) Other reports from SSG bodies - *ONR, SEPA, Scottish Government***
 - 9. (11:36 – 11:38) External Meetings and Invitations
*NRS meeting of SSG Chairs and Vice Chairs in Manchester on 22/23 November 2023.***
 - 10. (11:39– 11:49) CX Project Update – *Helen Emberson, CX Programme Lead***
 - 11. (11:50 – 11:51) Any Other Business**
 - 12. (11:52 – 12:00) Public Forum**

Next Meeting - 10am, Wednesday 13 March 2024



Chapelcross Site Stakeholder Group

**Minutes of the Meeting held on Wednesday 9 August 2023 at 10.00 am
D&G Council Chambers, Annan Town Hall, High Street, Annan, DG12 6AQ**

Present:

Mr Neil Carruthers (The Royal Burgh of Annan Community Council)
Cllr Archie Dryburgh MBE (representing Annandale East and Eskdale) (Chair)
Ms Gillian Elliott (NDA)
Ms Helen Emberson (Dumfries and Galloway Council, CX Programme Lead)
Ms Diane Hamilton (Scottish Government)
Mr Peter Hughes (ONR)
Cllr George Jamieson (representing Annandale South) (Vice Chair)
Mr Sean Marshall (Magnarox Communications / SSG Secretariat)
Ms Carol Midwood (Federation of Community Councils / Canonbie and District CC)
Mr Willie McNairn (2km Resident Representative)
Mr Richard Murray (Chapelcross Site Director)
Mr Ian Park (Magnarox Trade Union Representative)
Dr David Stone (SEPA)

In Attendance:

Ms Sheila Adams (Minutes)
Ms Claire Aitken (Member of Public)
Mr Mark Crowther (NDA International Affairs)
Ms Juri Aoya (NDA International Affairs)
Mr Peter Dreghorn (Restoring Annan's Water)
Mr Andy Stott (Restoring Annan's Water)

Apologies:

Mr William Currie (South of Scotland Enterprise)
Mr Bill Hamilton (Magnarox, Director of External Affairs)
Mr Colin Hargreaves (Magnarox, EHSS&Q Inspector)
Cllr Gail McGregor (Annandale North)
Ms Donna Mounce (South of Scotland Enterprise)
Mr David Wallace (NDA)
Cllr Carolyne Wilson (Annandale North)
Mr Ian Winchester (Westmorland and Furness Council)

1. Chairman's Welcome

Cllr Dryburgh gave a warm welcome to the meeting and in particular welcomed Gillian Elliott, standing in for David Wallace for NDA and two NDA colleagues from the International Affairs Team – Mark Crowther, who heads up the International Affairs team and Intern, Juri Aoya.

2. Announcements and Apologies *(including Declarations of Interest)*

Mr Sean Marshall read out the Apologies as listed above.

Mr Neil Carruthers confirmed that he is employed by Magnox Limited and was attending the meeting as a representative of the Royal Burgh of Annan Community Council. Mr Sean Marshall pointed out that he usually attends the meeting as a Councillor representing Annandale South but on this occasion he was attending as a Magnox employee, deputising for the Secretariat.

3. Minutes of Previous Meeting and Matters Arising

The Minutes of the meeting of 19 April 2023 were approved as a true record and proposed as such by Mr Willie McNairn and seconded by Cllr George Jamieson.

Action points from the last meeting

Mr Marshall confirmed that an update on outstanding actions was included in the papers for the meeting. Mr Marshall summarised the actions now completed:

- Mr Jamie Reed, NDA Director of Socio Economics, was unable to accept the invitation to attend this Site Stakeholder Group meeting due to other commitments but can attend the Chapelcross Site Stakeholder Group meeting on 29 November 2023.
- Mr McNairn had provided background information on the land in question and ongoing discussions with NDA and its Land Agents are taking place.
- Due to a proposed number of changes and amendments taking place to the Chapelcross Site Stakeholder Group membership, it is recommended that the site visit for Site Stakeholder Group members is postponed until the membership changes have all taken place.
- A glossary of common nuclear acronyms for new members was included in the pack of meeting papers and Mr Marshall thanked Mr Murray for providing this.

4. Request by Restoring Annan's Water (RAW) to become Site Stakeholder Group Member

Mr Marshall read out a letter from Restoring Annan's Water (RAW) asking to become a member of Chapelcross Site Stakeholder Group. RAW was formerly part of the River Annan Trust and has no executive powers. RAW considers itself to be stakeholders of Milnbie Weir and carried out fundraising for the eel ladder. A copy of RAW's constitution had been provided. Cllr Dryburgh advised that Site Stakeholder Groups nationally are looking at membership of the Groups and welcomed non-governmental organisations (NGOs). He asked voting members if they were happy to accept Restoring Annan's Water as a member of Chapelcross Site Stakeholder Group, which received unanimous agreement. Mr Dreghorn and Mr Stott thanked members and advised that Mr Stott will attend meetings when Mr Dreghorn is not available.

5. Chapelcross Site Director's Report – Mr Richard Murray *(including update on Magnox Socio-Economic Scheme)*

Mr Murray's report included an update under the headings of EHSS&Q Performance, Site News, Programme Update and Socio-Economic Update.

Mr Murray was pleased to report again that there had been no significant events on site since the last meeting, with a very good safety performance and good active engagement

between staff and Trade Unions. The Total Recordable Incident Rate (TRIR) and Days Away Case Rate (DACR) remains at zero.

The site had applied to SEPA for variation of the permit granted under the Environmental Authorisations (Scotland) Regulations 2018 (EASIR) for the management of radioactive substances.

Mr Murray ran through the targets for the financial year, which included: retrieval of 8 Mac and Cobalt Mosaiks to the Intermediate Level Waste (ILW) store, of which 3 were completed to date; 52 CXPP 500l Drums to be filled and transferred to the ILW store - 8 complete; key to the site's aspiration to move waste from site is the dispatch of 14 consignments of Low Level Waste (LLW) - 5 complete to date; design completed for the Cooling Tower land remediation – the site is now working with stakeholders and engaging with the Planning Authority; commence in-active commissioning of the Zeolite skip retrieval process - target end date is March 2024; deliver £3.5M of asset care improvements – on target.

The big news at the November Site Stakeholder Group meeting is likely to be the change of name from Magnox, which will be the subject of a gradual rebranding process.

Under Site News, Mr Murray updated on the constant recruitment process. The site currently has 170 employees (of which one third are aged over 58). While locals are leaving the site, there has been a healthy uptake of jobs locally and local staffing is being managed very well. This is good for the local economy and is proving to be more difficult at sites in the south and east. Four young local people have been taken on as trainee Health Physics Monitors, giving them a fantastic opportunity.

Mr Murray explained that the CXPP project is going well and that the Cave Master Slave Manipulators had been size reduced. These manipulators were key operational equipment over the life of the plant. Under Ponds Decommissioning, it is anticipated that 34 Mosaiks will have been retrieved by September/October. Mr Murray explained that equipment designed by the team and manufactured in Sheffield for the removal of Zeolite Skips is now on site and in-active commissioning is expected in March 2024. If all goes to plan active commissioning start is expected next October. The tender process for detailed design and installation for enabling works to support skip size reduction using divers is expected to complete at the end of August. Divers have been used at Dungeness and Sizewell sites. In the Cooling Towers project, pieces of plant and culverts full of high pH water need to be drained. A contractor is installing valves to allow for draining of the culverts. An Environmental Impact Assessment is being produced with the Planning Authority and it is hoped that physical work will start next summer. Under Waste, historic oil liquid is being repackaged for disposal.. The team is well focussed and working on an inventory take to allow for future planning of disposal routes.

Asset Care projects are on-going with the largest being the replacement glazing on the reactor buildings. This is required due to degradation of steel supporting the window frames and the deterioration of the window frames. The further asset care projects are, a new potable water system is being installed, general roof repairs being carried out, replacement of air conditioning system in the administration building and traffic management improvements.

Under Socio Economics, 79 organisations have been supported by Magnox nationally. Locally this includes the Annan Riding of the Marches and YouthBeatz. The NDA's Strategy Refresh will involve engagement with Site Stakeholder Groups.

The NDA's Sustainability Strategy has five goals: Governance; Environment; Supply Chain; Employees; Communities. A Volunteering Portal was launched at three sites in July, which formalises the process of identifying, promoting, monitoring and reporting volunteering opportunities for employees. This will address what additional volunteering might look like and open up other opportunities for staff. The Neighbourly Portal is being rolled out across all sites over the next 12 months which aims to see charities and sites aligned through principles.

Questions and Observations

Cllr Dryburgh thought the effect of volunteering was evident, especially through Covid, with links with the Food Train and others, and hoped this would continue.

Cllr Jamieson referred to long-term employment skills and the highly trained jobs at Chapelcross and asked how people are being attracted back in, what the next stage in employment opportunities is and what outlook the site could give young people looking for sustainable jobs. Mr Murray referred to other Advanced Gas-cooled Reactor (AGR) sites, Dounreay and Sellafield and thought that jobs could be mobile. Through the CX project, the ambition is for reuse and redevelopment of the site. Staff have transferable skills and there is a key focus on regeneration of the site. In 1959 the site was the second operational nuclear power station in the UK and there are lots of opportunities going forward, with positioning possibly for hydrogen and renewables. Mr Jamieson referred to the production of sustainable energy and considered that young people are generally more in favour of green energy and net zero than nuclear power. He wondered if Chapelcross would suffer a reputational hangover because of nuclear and whether this was a hindrance or an opportunity. Mr Murray referred to the investment in the UK to drive net zero and the site's links with Annan Academy, supporting the STEM (Science, Technology, Engineering, Mathematics) programme. Mr Park agreed that most young people have environmental concerns but also want to know how they can pay their bills. He asked when the site would start creating more jobs quicker, which he saw as necessary due to the ageing demographic of the current workforce, which would benefit both the workforce and the wider community. Mr Murray confirmed that the site is taking on trainees at the rate that the site can cope with. Four trainees or graduates each year is manageable. He pointed out that the site cannot change history, it can only try to influence and maintain going forward and noted that it is not just Chapelcross that is suffering from an ageing demographic in their workforce.

Cllr Dryburgh was pleased to hear that Sheffield is coming back to the steel industry. Mr Murray commented that steel is used for the components, the last of which was from a Ukrainian steel factory.

In respect of socio economics, Cllr Dryburgh was pleased to see YouthBeatz being supported as it is a free event for all and was also pleased that Annan Riding of the Marches received funding again.

6. NDA Update – Ms Gillian Elliott (on behalf of Mr David Wallace)

The NDA report provided in the meeting papers was taken as read. Ms Elliott highlighted key points. Great British Nuclear (GBN) was launched on 18 July 2023. GBN will now be the first port of call on new nuclear matters. GBN's Policy Statement dated 25 July 2023 will form part of the Energy Bill going through Parliament. The NDA and Scottish Government have agreed to the secondment of a second Magnox employee to the Radioactive Waste team, following on from the successful secondment of Laura Hogg last year. Oli Smith will start with Scottish Government in August 2023. This is helping build strong relationships between NDA and Scottish Government and is a positive move for all.

The Regional Innovation Roadshows attracted a good cross-section of attendees, including representatives from Site Stakeholder Groups, Regulators and Supply Chain. The involvement this year of Strathclyde University students brought different viewpoints. Oliver Mundell MSP was on one of the panels and it was good to engage with a new raft of stakeholders. The next event is in Bangor, with one in Bath later in the year. Last year's Stakeholder Summit was held in Edinburgh, this year's will be virtual – details of which will be shared in due course, and next year's will be in West Cumbria.

Spot the Dog robotics are featuring regularly at Sellafield and Dounreay. This demonstrates a massive advance in technology, drones and opportunities.

Global links are being made, with a tri-lateral stakeholder event, hosted in the UK, attended by US, Canada and France. Cross-referencing with others is a very useful tool, as is the recognition that what NDA does with Site Stakeholder Groups does not happen elsewhere. This is really important to the NDA and other countries are learning lessons from this.

Under socio-economic funding, work has begun at Sutherland Spaceport in Scotland, which will be the first vertical launch spaceport to be built on UK mainland. Magnox is involved in a major decommissioning project at Berkeley Blower House. Nuclear Waste Services (NWS) may get more involved in Magnox sites in the future. The NDA's Annual Report and Accounts will not now be published until September, after the UK Government's summer recess.

The NDA Socio-Economic Refresh will see Jamie Reed and his team attend the Chapelcross Site Stakeholder Group meeting in November. The last document was published in 2020 and the team will take on board the views of stakeholders, with a consultation exercise between Christmas 2023 and March 2024, before publishing a new Strategy next year.

Dr Roz Rivaz's term as Chair of NDA ends in August and Chris Train, current NDA Non-Executive Director, will become Interim Chair while a new Chair is recruited. A meeting with Site Stakeholder Group Chairs will be arranged for October.

Questions and Observations

Cllr Dryburgh was pleased that Jamie Reed will attend the Chapelcross Site Stakeholder Group meeting in November and thought that talking about social values as opposed to socio economics was good.

Mr Park noted that the NDA formulated the decommissioning industry to what it is now. With Dounreay recently joining the Magnox estate, Scotland represents one third of the workforce but the National Skills Academy for Nuclear is no further forward. Ms Elliott referred to the work being done by Jacq Longrigg with the Nuclear Skills Task Force. Mr Park emphasised that localised access to this is required and a common arrangement to benefit the whole industry and local economy. He considered that progress on this is taking too long. Cllr Dryburgh added the aspiration of Chapelcross Site Stakeholder Group to see Chapelcross site become a Centre of Excellence. Cllr Dryburgh was involved previously with the National Skills Academy for Nuclear, which was a talking shop. Ms Elliott undertook to ask Jacq Longrigg to provide an update to the Site Stakeholder Group.

- **Action – NDA to ask Jacq Longrigg to provide an update on the National Skills Academy for Nuclear.**

As an engineer, Mr Stott wondered about partnering with a University as a Centre of Excellence. Ms Elliott advised that this was the rationale behind holding the recent NDA Innovation Roadshow at the University of Strathclyde. Construction skills are required as well as decommissioning skills and there is more work to be done on this.

Mr Stott noted that new reactors are smaller and asked if there has been learning from the past. Ms Elliott confirmed that this was the case.

Mr Park noted that it is good to have graduates but there is also a need for local skilled workers that will stay in the area. The site can get graduates but cannot necessarily get skilled workers. He reiterated that training and education are not available locally. Cllr Jamieson referred to substantial funding from the Scottish Agricultural College (SAC) for a Centre of Excellence in the Dairy industry. He noted that agriculture has typically been slow to change. He referred again to the negative perception of nuclear power and suggested putting in place agriculture surrounded by dairy fields.

Cllr Jamieson suggested that researchers and academics and people on the ground are brought together. There is the possibility of missing an opportunity to make the site innovative and bring in all energy alternatives to give the area a positive persona. The site has the infrastructure in place and he suggested using academics to focus on what has the most potential to make the most of the great opportunity for the area. Cllr Dryburgh added that the CX project is the way forward for the area. Ms Emberson commented that the Innovation event was fantastic. She was excited to hear about medicine and manufacturing institutes bringing in companies and research and academics. Discussions had been initiated and were at an embryonic stage. The CX project will take advice, starting with what it has at the core and then building on this and will take advice on how to put together a cohesive product and what that looks like. One example may be a skills workstream, with a portfolio of businesses to match skills to the businesses.

7. Other reports from SSG Bodies – ONR, SEPA, Scottish Government

ONR – Mr Peter Hughes

The ONR report was circulated with the meeting papers and taken as read. Mr Hughes advised that he replaced Mr Rowland Cook as the Inspector for Chapelcross and Hunterston A. There had been no site inspections in the January – March quarter. There had been two site inspections since April, with no adverse findings. Mr Hughes had nothing further to report.

SEPA – Dr David Stone

The SEPA report was circulated with the meeting papers and taken as read. Dr Stone highlighted key points. There was an inspection in May on data returns submitted monthly of 'all other radionuclides excluding tritium'. The data had been collected, assessed and reported to SEPA using robust procedures and calculations. The only issue was that the permit requires the data for a calendar month but the site reports weekly, so the data does not always correlate. It is not yet known what the result of this will be. SEPA produces annual assessments of doses by adding months together. SEPA is bound by the wording of the permit which requires reporting by calendar month, not four weekly. SEPA is determining an application by the site for a variation to the sub-limit for the discharge of the gaseous 'all other radionuclides excluding tritium' associated with the operation of the Advanced Vacuum Drying Facility (AVDS) following notification in May 2022 that the site had exceeded the limit. A more substantial variation request has been received recently to increase the site-wide gaseous 'all other radionuclides excluding tritium' limits, which will be the subject of public consultation, Site Stakeholder Group consultation, etc. Radioactivity in Food and the Environment 27 (RIFE27) for 2021 has been published. This includes habit survey work and discharges and shows that Chapelcross is within 2% of its authorised limit.

Scottish Government – Ms Diane Hamilton

The Scottish Government report was circulated with the meeting papers and taken as read. Ms Hamilton advised that the annual NDA meeting with the Cabinet Secretary for Net Zero and Just Transition will now take place in October. It is hoped that the NDA secondee, Oli Smith, will start on 21 August, and will be at the Scottish Nuclear Sites meeting. With regard to the Near Surface Disposal (NDS) project discussed at the last meeting, results from the initial stage had been received last week but there were more than 1,000 pages to be digested so the results will be communicated at the Scottish Nuclear Sites meeting and the next Site Stakeholder Group meetings.

Questions and Observations

Cllr Dryburgh asked about progress since the cyber-attack on SEPA. Dr Stone advised that progress is being made slowly as things gradually come back together. This no longer features in the report as SEPA is moving on.

Cllr Dryburgh asked if the Scottish Government is being asked about new nuclear build, in relation to the Energy Business Park. Ms Hamilton did not know the answer to this as it is dealt with by a different Department but she undertook to take the question back.

- **Action – Ms Hamilton to ask Scottish Government colleagues if new nuclear build is being asked about in relation to Chapelcross Energy Business Park and report back to the Site Stakeholder Group.**

8. External Meetings and Invitations –

NDA / Magnox meeting of UK SSG Chairs and Vice Chairs in London – 23 June 2023

Neither Cllr Dryburgh nor Cllr Jamieson were able to attend the above meeting.

9. CX Project Update – Ms Helen Emberson

The report was circulated with the meeting papers and taken as read. Ms Emberson advised that enquiries are still being received but tailing off now. The tender is out for a Strategic Development Framework. This will involve a transport assessment, service needs and an Environmental Impact Assessment, which will form the basis of the Outline Business Case. Liaison with the Scottish Government has been useful. The Hydrogen Policy Unit will be a stakeholder and will guide the project through the process. Learning has also been taken from Aberdeen where the public transport network now runs on hydrogen. Scottish Development International is making a promotional video to assist with international marketing to generate more interest from overseas developers. The next step is evaluation of tenders. Embryonic stage conversations have been taking place with Skills Centres. More information on legal and commercial operational arrangements with NDA will be given at the November meeting.

Questions and Observations

Cllr Park noted that he has been trying for a long time to get future employment into the site and there should be ambition for more employment than in the past. Chapelcross used to have a housing estate, which would allow for a more sustainable workforce as they could walk to work. He thought that developers would snap up the chance to build affordable houses on site. He urged the CX project to think about housing nearer the site, which is more environmental and sustainable. Cllr Dryburgh added that the Local Development Plan contains a Special Planning Zone. Developers would apply to build housing close to the site. Mr Marshall added that prior to the CX project, a Feasibility Study done through the Beyond Chapelcross project and passed through the Planning Authority, included green housing on site so this has been flagged up and documented in the past (circa 2014). Ms Embleton responded that phased development is envisaged and as the portfolio comes forward, employees and infrastructure will have to be matched.

Ms Embleton advised that the Active Travel Plan consultation is live and includes links from Annan to Chapelcross. Mr Marshall noted that this is being undertaken through funding by SWESTRANS from Gretna to Powfoot to Annan to Chapelcross and he undertook to send the link for the consultation to members.

Mr McNairn commented that his internet download speed is abysmal, despite being close to the exchange. He finds it very difficult to get on to websites due to buffering and he asked that infrastructure improvements included good digital connectivity for site neighbours. Mr McNairn also referred to inaccuracies in documents relating to the CX project, such as saying that the site is five minutes from the A74M when the A74M starts at Abington and the postcode on the draft plan for a Solar Farm given as PE12. Mr Murray confirmed that the site has good digital connectivity but facilities would have to be installed to run whatever is there.

Cllr Dryburgh referred to other options for broadband connectivity such as the Scottish Government's R100 scheme and voucher scheme for those unable to get acceptable broadband speeds. He agreed that such infrastructure issues would have to be addressed in the future and Cllr Jamieson agreed that this is now a universal service obligation. As an aside, Mr Stott and Mr Dreghorn advised that they use 4G for a decent internet signal in Moffat.

10. Any Other Business

There were no other items of business raised.

11. Public Forum

Mr Dreghorn complimented the comprehensive minute of the last meeting and thanked members for admitting Restoring Annan' Water to the Site Stakeholder Group membership. He reiterated that RAW is not a campaigning group.

Cllr Dryburgh invited observations from Mr Crowther. Mr Crowther commented that this was his first time at Chapelcross and it was interesting to hear the different views. He understood the relationship with the NDA and the Scottish Government and had no specific feedback to give.

Questions and Observations

Cllr Dryburgh noted that this was Sean Marshall's last meeting as a Magnox employee as he is retiring. On behalf of the Site Stakeholder Group, he formally thanked Sean Marshall for many years of support, in particular his input on consultations.

11. Next Meeting – Wednesday 29 November 2023

The next meeting will be held on Wednesday, 29 November 2023.

Cllr Dryburgh thanked everyone for attending the meeting and brought it to a close at 11.28 am.

**CHAPELCROSS SITE STAKEHOLDER GROUP
SUMMARY OF KEY POINTS FROM THE MEETING
WEDNESDAY 9 AUGUST 2023 AT 10.00 AM IN COUNCIL CHAMBERS, TOWN HALL, ANNAN**

Chairman's Welcome, Announcements and Apologies

Cllr Dyrburgh welcomed everyone to the meeting. In particular, he welcomed Gillian Elliott, standing in for David Wallace for NDA and two NDA colleagues – Mark Crowther, who heads up the International Affairs team and Intern, Juri Aoya. Cllr Marshall read the apologies.

Minutes of Previous Meeting and Matters Arising

The Minutes of the meeting of 19 April 2023 were approved. Actions from the previous meeting were complete.

Request by Restoring Annan's Water to become an SSG Member

Cllr Marshall explained the request and the process for becoming a member. Members unanimously agreed to allow RAW to become a member.

Chapelcross Site Director's Report – Mr Richard Murray

Safety performance remains good with no significant events on site. TRIR and DACR remain at zero. Mr Murray ran through targets for the financial year and described the work programme and asset care investment. Big news at the November SSG meeting is likely to be the change of name from Magnox. The recruitment process is ongoing. A Volunteering Portal had been launched which formalises the process of identifying, promoting, monitoring and reporting volunteering opportunities for employees. The Neighbourly Portal is being rolled out across all sites over the next 12 months.

NDA Report – Ms Gillian Elliott

Great British Nuclear (GBN) was launched on 18 July 2023. The Regional Innovation Roadshow in Glasgow attracted a good cross-section of attendees. Spot the Dog robotics are featuring regularly at Sellafeld and Dounreay. Work has begun at Sunderland Spaceport in Scotland. The NDA's Annual Report and Accounts will be published in September. Consultation on the NDA Socio-Economic Refresh will take place end 2023/start 2024. Dr Roz Rivaz's term as Chair has ended. Chris Train, will be Interim Chair while a new Chair is recruited.

ONR Report – Mr Peter Hughes

The ONR report was circulated with meeting papers. Mr Hughes has taken over from Mr Cook as Inspector of Chapelcross and Hunterston A. Two site inspections since April had no adverse findings.

SEPA Report – Dr David Stone

The SEPA report was circulated with meeting papers. Determination is awaited on a reporting anomaly in timescales on data returns submitted monthly of 'all other radionuclides excluding tritium'. A variation request has been received to increase the site-wide gaseous 'all other radionuclides excluding tritium' limits, which will be the subject of public consultation. RIFE27 for 2021 has been published.

Update from Scottish Government – Ms Diane Hamilton

It is hoped that the NDA secondee, Oli Smith, will start on 21 August, and will be at the Scottish Nuclear Sites meeting. Results from the initial stage of the Near Surface Disposal project had been recently received and will be communicated at the Scottish Nuclear Sites meeting and the next Site Stakeholder Group meetings.

CX Project Update – Ms Helen Emberson

The tender is out for a Strategic Development Framework, which will involve a transport assessment, service needs and an Environmental Impact Assessment, which will form the basis of the Outline Business Case. Scottish Government Hydrogen Policy Unit will be a stakeholder. Scottish Development International is making a promotional video to assist with international marketing to generate more interest from overseas developers. Embryonic stage conversations have been taking place with Skills Centres.

External Meetings and Invitations – Cllr Archie Dryburgh, Cllr George Jamieson

NDA / Magnox meeting of UK SSG Chairs and Vice Chairs in London on 23 June 2023

Neither the Chair or Vice Chair had been able to attend this meeting.

Public Forum

Mr Dreghorn and Mr Stott of Restoring Annan's Water thanked members for admitting them as SSG members.

Any Other Business – Cllr Marshall is retiring as a Magnox employee and Cllr Dryburgh thanked him for his work.

Questions and Observations

After each presentation, a number of questions were asked by members, which can be read with the responses, in the full Minutes of the meeting, available from the SSG Secretariat.

Next Meeting – Wednesday 29 November 2023 at 10.00 am in Annan Town Hall. This will include a presentation by Jamie Reed, NDA's Director of Socio Economics.

Actions from Chapelcross SSG Meetings

Action (COMPLETE) – Invite to be extended to Jamie Reed, NDA Director of Socio Economics, to the next Chapelcross Site Stakeholder Group meeting.

Response – *Mr Reed has been contacted but cannot attend the meeting on Wednesday 9 August due to other commitments, but can attend the Chapelcross SSG Meeting on Wednesday 29 November 2023.*

Action (COMPLETE) - Mr McNairn to email Mr Wallace and Sean Marshall background information on the land in question to enable further investigation to be done by NDA and its Land Agents.

Response – *Mr McNairn has provided the information and ongoing discussions with NDA are taking place.*

Action (ONGOING) – Secretariat to arrange site visit for Site Stakeholder Group members wishing to attend – previous attempts to arrange had to be postponed. A visit will be arranged for summer, likely August, on which details will be forwarded nearer the time.

Response – *Due to a proposed number of changes and amendments to the Chapelcross SSG membership it is recommended that a visit to Chapelcross be arranged once all these membership changes and amendments have taken place.*

Action (COMPLETE) – Secretariat to produce glossary of common nuclear acronyms for new members.

Response - *A table is listed below*

Magnox / Nuclear Acronymns

1197	Fuel element road transport flask prior to Magnox M2
AACP	Alternative Access Control Point
ACB	Air Circuit Breaker
ACP	Access Control Point
AECC	Alternative Access Control Point
ALARP	As Low As Reasonably Practicable
ASME	American Society of Mechanical Engineers
BCDG	Burst Cartridge Detection Gear
BMG	Basic Methodology Guidelines
BPEO	Best Practicable Environmental Option
BPM	Best Practicable Means
CGO	Channel Gas Outlet
COSR	Continued Operations Safety Review
CRM	Control Rod Mechanism
CXPP	Chapelcross Processing Plant
DAR	Design Assessment Report
DCPDB	Direct Current Power Distribution Board
DSC	Defuelling Safety Case
EACP	Emergency Access Control Point
ECC	Emergency Control Centre
ECR	Electrical Control Room
ECRT	Electrical Control Room Technician
EPGMS	Emergency Plume Gamma Monitoring System

ESSR	Engineering Safety Substantiation Report
FE	Fuel Element
FHIS	Fault, Hazard and Interlock Schedule
FLT	Fork Lift Truck
F RTP	Fuel Route Transition Project
GSRV	Gas Safety Relief Valve
HHISO	Half-Height Isofreight Container
HSE	Health and Safety Executive
ILW	Intermediate Level Waste
IMP	Isolated Measurement Pods
IOP	Iodine Absorption Plant
ISB	Inner Security Barrier
LBH	Long Blower House
LLW	Low Level Waste
LLWR	Low Level Waste Repository
MAC	Miscellaneous Activated Components
MAR	Mercury Arc Rectifier
MBGWS	Miscellaneous Beta Gamma Waste Store
MDU	Magnox Depleted Uranium
MFRSCG	Magnox Fuel Route Safety Case Guidelines
MMS	Manual Measuring Socket(s)
MSRP	Minimum Safety-Related Plant
MTBF	Mean Time Between Failures
NII	Nuclear Installations Inspectorate
NSD	Nuclear Safety Directorate
NSPs	Nuclear Safety Principles
PCAC	Pressure Circuit Advisory Committee
PCSR	Pre-commencement Safety Report
PIC	PIPPA Isotope Cartridge
PRDO	Produced by Risley Design Office
PSR	Preliminary Safety Report Periodic Safety Review
PFD	Probability of Failure on Demand
PFFHA	Peak Free Field Horizontal Acceleration
PMS	Plant Maintenance Schedule
POCO	Post-Operational Clean Out
PSA	Probabilistic Safety Assessment
PSTL	Plant Surveillance Team Leader
PSTSE	Plant Systems Technical Support Engineer
RCC	Reactivity Control Cartridge
RCR	Reactor Control Room
RDL	Reactor Data Logger
RPA0	Radiological Protection Adviser
RPV	Reactor Pressure Vessel
RWMF	Radioactive Waste Management Facility
SAPs	Safety Assessment Principles
SBH	Short Blower House
SCADA	Supervisory Control and Data Acquisition
SRG	Safety Review Guidebook (for Gas-Cooled Reactors)
SRSS	Schedule of Reference Safety Statements
SSCs	Systems, Structures and Components
TSV	Temporary Storage Vessel
UPS	Uninterruptible Power Supply
WAMAC	Waste Assay, Monitoring and Compaction
XSRM	Excess Shutdown Reactivity Margin

Action (ONGOING) - NDA to ask Jacq Longrigg to provide an update on the National Skills Academy for Nuclear.

Response –

Action (ONGOING) - Ms Hamilton to ask Scottish Government colleagues if new nuclear build is being asked about in relation to Chapelcross Energy Business Park and report back to the Site Stakeholder Group.

Response –



Update for CPX SSG

NDA

November 2023



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NDA Stakeholder Update

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

- NDA's sponsoring department, the Department for Energy Security and Net Zero (DESNZ), has a new **Secretary of State** following Grant Shapps' move to the Ministry of Defence. Claire Coutinho previously held roles as Parliamentary Under Secretary of State at the Department for Education, and Department for Work and Pensions.
- The Department's dedicated **Minister for Nuclear and Networks**, Andrew Bowie visited some of the NDA estate at Sellafield and Barrow in September.
- NDA's **new Interim Chair**, Chris Train OBE, replaced Roz Rivaz whose term of office ended in August. Chris has over 38 years' experience in the Energy, Utilities, Regulation and Infrastructure sectors. He has held chief executive, and other senior roles at Cadent, National Grid, Transco and Lattice. He has also sat on various European and international committees.
- Chris Train and David Peattie met with the **SSG Chairs and Vice-Chairs** in Manchester on 16-17 October. This is an annual meeting and enables senior NDA management to better understand the issues facing communities around the NDA sites.
- Chris and David also hosted the NDA annual briefing with **Scottish Government Cabinet Secretary** for Just Transition and Net Zero, Mairi McAllan MSP on October 26th.
- After the successful in-person stakeholder summit in Edinburgh last year, preparations are underway for the next in-person event in Cumbria in 2024. We continue to promote both in-person and online events, and intend to host a **virtual summit** on December 12th 2023. We will update you on the full agenda over the next couple of weeks.
- NDA took part in the Nuclear Industry Association's '**Week in Parliament**' this September. It is an opportunity for MPs and other parliamentarians to gain a better understanding of the contribution that nuclear – including decommissioning – makes to the economy both nationally and at a constituency level. It is estimated that businesses in nearly 75% of



parliamentary constituencies contribute to the supply chain that supports delivery of the NDA's mission.

- NDA hosted a **Scottish Supply Chain** event in Dunblane on November 8th. Around 465 supply chain companies work for NDA Group in Scotland.
- Through the National Decommissioning Centre/University of Aberdeen, a report highlighting the **NDA's Economic Impact in Scotland** has been produced. This compliments the recent local SE impact studies published last year. Full details on this report be issued over the next few weeks.
- On November 9th, NDA attended the **SEPA VIBES Awards** 2023 in Glasgow. The event celebrated the environmental credentials of companies large and small around Scotland. NDA sponsored the Medium-Sized Business Category.
- **Nuclear Restoration Services (NRS)** has been announced as the new name for Dounreay/Magnox.
- Preparations have continued for the NDA and NRS to take on decommissioning of the fleet of **Advanced Gas-cooled Reactors (AGRs)** from EDF Energy. The first site to transfer is expected to be Hunterston B in 2026. The first reactor at Hunterston B has now been fully defueled.
- The NDA has developed a draft **code of practice** to provide guidance to sites and site licence companies (SLCs) on how timing and pace of decommissioning could be assessed in a more structured, consistent and transparent manner. The proposed Codes of Practice for Determining Pace and Timing of Decommissioning will be in line with Strategy 4 and DESNZ policy and has so far been discussed with the sites, regulators and Nuleaf but will also be discussed with SSGs in advance of publication.
- Every year, NDA publishes its **Mission Progress Report** which details the work that has been going on over the past year and how that contributes to the completion of our mission. This year's edition is expected to be published in November.
- Every three years, NDA reviews its **socio-economic strategy** to check that it is fit for purpose and updated where necessary. The last one was published just as the pandemic took hold and much has changed since then. A consultation process on the new strategy will go-live on GOV.UK towards the



end of November 2023 and last 12 weeks. An advance copy will go to SSG Chairs no later than Friday 17th November.

- In November, NDA were delighted to announce the sale of CPX land (6 hectares) to South of Scotland Enterprise for re-development. In October, the CPX site hosted a visit from the **Scottish Government Hydrogen Team** – CPX has been identified as a SG Hydrogen Hub.
- The search for a suitable site for a **Geological Disposal** Facility (GDF), to permanently dispose of the UK's higher activity waste, continues. Two key parameters are that the geology must be suitable and that the community itself is willing to host the facility. We have been working with three communities in Cumbria and one in Lincolnshire. It is now clear that the geology around one of these – Allerdale in Cumbria – will not support a GDF and Nuclear Waste Services (NWS) has decided to wind down the project there. The programme continues with the other communities and NWS is still looking for other communities that might be interested in participating.

Thank you for taking the time to read our update. If you have any questions, please feed-back through the Secretariat.



Nuclear
Decommissioning
Authority



Office for
Nuclear Regulation

ONR Site Report

Magnox Limited

Chapelcross

ONR Site Report

Magnox Limited - Chapelcross

Report for period: 1 July – 30 September 2023

Authored by: P Hughes, Nominated Site Inspector

Approved by: I Phillips, Delivery Lead Decommissioning, Fuel, and Waste

Issue No.: 1

Publication Date: October 2023

ONR Record Ref. No.: 2023/54971

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

Site inspectors from ONR usually attend Chapelcross Site 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.

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1. Inspections

1.1. Date(s) of Inspection

The ONR site inspector inspected the site on the following dates during the report period 1 July – 30 September 2023:

- 7 and 8 August 2023

The ONR site security inspector inspected the site on the following date:

- 20 July 2023

2. Routine Matters

2.1. Inspections

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

- The conditions attached by ONR to the nuclear site licence granted under the Nuclear Installations Act 1965 (NIA65) (as amended);
- The Energy Act 2013;
- The Health and Safety at Work etc Act 1974 (HSWA74); and
- Regulations made under HSWA74, for example the Ionising Radiations Regulations 2017 (IRR17) and the Management of Health and Safety at Work Regulations 1999 (MHSWR99).
- The Fire (Scotland) Act 2005;
- The Nuclear Industries Security Regulations (NISR) 2003; and
- The Nuclear Safeguards (EU Exit) Regulations 2019 (NSR19).

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, there were routine inspections of (Chapelcross) covering the following:

- Waste accumulation - On 7 August 2023 the site inspector and a specialist inspector carried out an inspection on the generation and disposal of Low Level

Waste (LLW), as there has been previous enforcement from the Scottish Environment Protection Agency (SEPA). ONR considered that the arrangements to generate waste, manage the accumulation of waste and dispose of the waste were appropriate and the licensee could demonstrate that they were implemented adequately.

- Physical Protection System – On 20 July 2023 the site security inspector carried out an inspection to determine whether the site has designed and implemented a physical protection system that builds defence in depth and meets the required security outcome. ONR considered that the site has arrangements that builds defence in depth and meets the required security outcome.

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.

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

2.2. Other Work

Throughout this reporting period, ONR's nominated site safety inspector has held regular telephone meetings with Chapelcross leadership team representatives to maintain situational awareness of matters related to nuclear safety. No significant issues were highlighted to ONR.

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

3. Non-Routine Matters

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

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

4. Regulatory Activity

ONR may issue formal documents to ensure compliance with regulatory requirements. Under nuclear site licence conditions, ONR issues regulatory documents, which either permit an activity or require some form of action to be taken; these are usually collectively termed 'Licence Instruments' (LIs) but can take other forms. In addition, inspectors may take a range of enforcement actions, to include issuing an enforcement notice.

No LIs, enforcement notices or enforcement letters were issued during this period.

5. News from ONR

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

6. Contacts

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

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Chapelcross Site Stakeholder Group

SEPA Update- Chapelcross

29th November 2023

Regulation

Environmental Authorisations (Scotland) Regulations 2018 (EASR)- Radioactive Substances

Following on from the COVID-19 pandemic and its associated restrictions, telephone communication with the site has continued including formal monthly staying in touch telephone calls. Routine teleconferences with the Chapelcross site and the corporate Magnox Ltd team on strategic issues have also continued as before.

SEPA has not undertaken any regulatory inspections since the last Stakeholder Group meeting. However, an inspection is planned before the end of the calendar year.

The site's application for variation to the sub-limit for the discharge of the gaseous 'all other radionuclides excluding tritium' associated with the operation of the Advanced Vacuum Drying Facility (AVDS) given in their EASR (2018) permit is nearing completion.

The site has recently applied for a further variation to their EASR permit. This application relates to an increase in the site limit for the discharge of gaseous radionuclides excluding tritium. SEPA is determining this application. Given that it relates to an increase in a site limit SEPA will be undertaking a public consultation on the application.

Non-Rad Regulation

There have been no environmental issues relating to non-radioactive regulation since the last scheduled SSG meeting.

SEPA have engaged with the site on their solvent plume remediation project. The project has progressed satisfactorily. Monitoring of groundwater for solvent contamination will be ongoing.

SEPA are engaging with the site to discuss the ongoing management of high pH groundwater generated on the site due to the presence of crushed concrete arising from the cooling tower demolition. This includes the regulation of the discharge of the water from site and the potential to dispose of the concrete from the site.

Environmental Events

There have been no environmental events reported to SEPA by the Chapelcross site.

Radioactivity in Food & the Environment (RIFE)

RIFE is a collaborative report on work carried out by SEPA, the other UK environment agencies, Food Standards Scotland and Food Standards Agency on the radiological monitoring of food and the environment in the UK. The RIFE reports aim to provide an in-depth assessment of radioactivity in food and the environment in the UK and the public's exposure to radiation, including in the vicinity of the Chapelcross site. The RIFE report incorporates the results from the analysis of a wide range of samples and key information on local habits to demonstrate both that food remains safe and that the public's exposure to ionising radiation is within legal limits.

The latest edition (RIFE 28) covering 2022 has just been published and can be obtained from SEPA's website along with previous year's reports at [Reports | Scottish Environment Protection Agency \(SEPA\)](#) .

Dr David Stone

Radioactive Substances Specialist

08 11 2023

SCOTTISH GOVERNMENT UPDATE TO CHAPELCROSS SITE STAKEHOLDER GROUP – 29TH NOVEMBER 2023

SCOTTISH GOVERNMENT RADIOACTIVE SUBSTANCES AND NUCLEAR DECOMMISSIONING POLICY TEAM

Four Nations Policy Consultation on UK Radioactive Substances and Nuclear Decommissioning Policy Framework

Scottish Government are continuing to work with the UK Government and other devolved administrations to develop the revised framework document following on from the consultation earlier in the year with an aim to bring forward a revised document in 2024. We will provide further information as this work develops.

Annual NDA meeting with Cabinet Secretary for Transport, Net Zero and Just Transition

The annual meeting between the Cabinet Secretary for Transport, Net Zero and Just Transition, the NDA Chair and NDA CEO, as set out in the NDA Framework document, took place on the 26th of October. This was a positive meeting covering the NDA's strategy, priorities, performance, its current and future activities, and any policy developments relevant to those activities. In particular, links with wider local green energy developments around the Chapelcross site were highlighted.

Scottish Government Higher Activity Waste Policy

We are continuing to work with the NDA on the initial technical research project around Scottish near surface disposal concepts to consider how elements of the Scottish policy might be taken forward - as per previous updates provided to SSG's. We are aiming to be able to share further information regarding the outputs of this work in early 2024.

We are also looking to do some work on wider public attitudes to radioactive waste management to deliver on a commitment made in the 2016 Implementation Strategy. This is intended to compliment the engagement we already do with a range of stakeholders in the sector to inform our work moving forward and will likely take the form of a short survey for the general public.

Secondments

SG and NDA have been working together to consider how best to build on Laura Hogg's successful secondment from the NDA to the SG team last year.

We now have a new secondee, Oli Smith, from Nuclear Restoration Services, who provides the team with technical and operational experience. He joined the team on 21st August and will be with us for the next 12 months.

Martin MacDonald from the Rad Subs Team has taken up a secondment with Nuclear Restoration Services for the next 12 months. He started his new role on 23rd October.

Diane Hamilton

Scottish Government

Chapelcross Programme Update Report to Site Stakeholder Group

Date	08/11/2023	Stage	Outline Business Case
Progress this period			
Summary The Chapelcross programme is focussed on developing the site into a high quality, green energy-focussed regional employment centre acting as a transformational project within the region. Conditional funding of £15.3m has been given from the Borderlands Growth Deal towards the project. Together with funding of £5.5m, committed by Dumfries and Galloway Council, the capital investment will be used to unlock the site for development through servicing and road improvements to access the site. Work is underway to develop the Outline Business Case due for submission in 2024, starting now with a Strategic Development Framework that will provide a blueprint for the site. Strategic Development Framework The purpose of the development framework is to achieve a site layout, transport assessment and service requirements as an input to the OBC for Borderlands. Ironside Farrar are appointed as consultants from 30th October and information provision and site familiarisation is now underway. The study is forecast to complete late spring 2024 and will trigger a number of areas of subsequent work in services and roads design. Scottish Government – Regional Hydrogen Hub Chapelcross is included in the Scottish Government Hydrogen Action Plan as a regional hub. A further meeting was held 23rd October to visit the site and engage with the masterplanning consultants. Marketing Information Avison Young continue to market the site. Scottish Development International A script is being finalised to showcase the site and region to an international audience for development. Filming took place in the summer for subsequent use by Scottish Government in attracting overseas investment. Skills Development NDA Skills development colleagues have been contacted to arrange an initial discussion on the training opportunities that Chapelcross provides in the short to medium term. Active Travel The programme has links into the Active Annan with options included in the public consultation to access the Chapelcross site from the town.			
Activities Planned for Next Reporting Period			
- Strategic Development Framework initiation phase will conclude, site assessment will commence - Site marketing remains live - NDA is developing an approach to release the land for development.			