



WINFRITH SITE STAKEHOLDER GROUP (SSG) MEETING – 27 JANUARY 2021

Meeting Reference SG28

Venue: Virtual

Present:	Cllr Barry Quinn (SSG Chair) Cllr Nic Johnson (Deputy SSG Chair), Cllr Cherry Brooks, Economy & Infrastructure Lead, Dorset Council Alex Clothier, Dorset Council Adam Davis, Environment Agency Neil Doggett, ONR Cllr Barry Dyke, Wool Parish Council Peter Fry, member of the Public Sara Hardy, Dorset Council Toby Herbert, member of the Public Dr John Larkin, CPRE Janet Moore, Dorset Council	Andy Munro, Site Director, Magnox Susan Adams, Magnox Emma Burwood, Magnox Gill Brown, Magnox Stuart Clark, Magnox Tracey Finn, Magnox Bill Hamilton, Magnox Susan Holdroyd, Magnox Kevin McIntyre, Magnox Jonathan Jenkin, NDA Alison Pugh (minutes)
Apologies:	Graham Duggar, Head of Community & Public Protection, Dorset Council Gary Clothier, Nuvia	Rebecca Davies, Dorset Local Enterprise Partnerships Peter Wharf, Dorset Council

MINUTES

1. Welcome and Introduction – Cllr Barry Quinn, SSG Chairman

- Barry Quinn (SSG Chair) welcomed everyone to the first virtual SSG meeting. He also thanked Marick Communications for hosting the Zoom event.
- On 4 March Barry and Nic Johnson had met Andy Munro and Emma Burwood for their first (and last!) on-site meeting. There had since been regular update calls with Andy and Emma, who had reported on the various Covid procedures introduced on site and decommissioning progress. Regular email updates had been sent to SSG members.
- The Manchester stakeholder event due to be held in May had been cancelled.
- Barry participated in an Office for Nuclear Regulation (ONR) Webinar and the annual ONR survey last year. This year's consultation would be a work in progress.
- Throughout the year regular SSG Chair meetings were held by Zoom. Issues to note:
 - There had been discussion on adopting a protocol used at Sellafield which enabled SSG meetings to go ahead rather than go through purdah; this was under review.
 - There had been some discussion with the Chairs' Group over proposals to conduct a review of SSGs. This had not been commissioned by the NDA and SSG chairs had not been involved but the NDA had now taken the lead on this matter.
 - For some time the NDA had been working on proposals for a Geological Disposal Facility (GDF) to deal with long-term secure storage of higher-level radioactive waste. A Copeland Working Group has now been established in Cumbria.
 - October's annual NDA summit had been held virtually; Strategy 4 consultation took place in October and a response had been submitted in mid-November.

- SSG chairs had participated in the integrated waste management event in November.
- A Magnox Covid support fund was set up and £25k was available for each local council to apply. Dorset Council applied and was awarded a significant amount which was used to support local foodbanks, PPE for volunteers, and arts and craft packs for children.
- As part of the Magnox socio economic scheme Lulworth and Winfrith School had received a high level award for repairs/updates to its swimming pool and Dorchester Choral Society successfully applied for a grant to host an online Christmas Carol concert.
- The SSG had expressed an interest in marking the contribution that Winfrith had made to the development of nuclear energy and would like to see a blue plaque awarded. If this were to be successful, the location as to where it would be placed would need to be decided.
- The minutes of the meeting held on 30 January 2020 were agreed to be a true record.

Q1: John Larkin asked where the blue plaque might be sited.

A1: Barry Quinn said that it would probably be displayed on the other end of site.

2. Magnox Winfrith Report – Andy Munro, Harwell-Winfrith Site Director

Covid 19

- Andy Munro said that Magnox had decided to shut all its sites during the first national lockdown in March 2020. During the first 16 weeks of lockdown only the guard force and essential maintenance staff attended site. The Magnox Board approved Winfrith operations to restart in early June, and quality plans were put in place before the site went back to full operations in mid-September.
- The site introduced, and has complied with, Company Standard S-192, based on latest government Covid advice, and this had been updated regularly. A volunteer lateral flow testing scheme for staff and contractors would commence in February-March.
- Company policy stated that people should work from home if they could, but they were able to attend site where required as the site remained fully Covid-secure compliant.

Site Operations

- Operation levels had been designated to each site from L1 (fully operational) to L5 (shutdown). Currently Winfrith worked at L1 and robust plans were in place so that levels could be stepped up/down.
- SGHWR and Dragon facilities and P&S staff were working at full capacity and good progress had been made. Work continued on Site Restoration/End state. A number of different contractors were working on site.
- Confirmation of funding for next year had been received and would allow full production to continue and work to be delivered as planned.
- Work continued on the review of the Lifetime Plan (LTP); this had been impacted by Covid but work continued in the background.

Safety

- There had been no lost time accidents since the last meeting and, until very recently, there had been no injuries for over 12 months. There had been a recent finger injury which had affected the TRIR rate. The person affected was ok and in work.
- During the summer Dorset Fire & Rescue had attended site to fight a heath fire at Blacknoll, near to the site fence. Water shock occurred through some pipes on site and this had caused a leak at SGHWR; however there were no radiological implications.

Regulatory Issues

- In September 2019 a joint warning/enforcement letter had been received for some Very Low Level Waste events related to waste consignments. This had now been closed by ONR, who had been satisfied with the Magnox improvement programme put in place.
- A current regulatory issue remained on the full integration of the Harwell and Winfrith Management System into the Magnox system; an improvement plan was under way to address this and would take around 12 -18 months to complete.
- There had been four minor environmental reporting events through the period. Whilst these issues appeared to be small, the site had taken them very seriously.

Discharge Pipeline

The NDA had endorsed the strategy for removal of the sea and terrestrial sections of the pipeline. Learning had come from a similar project at Harwell where the pipeline had been removed. The site would assess what the work involved and how it should be communicated to stakeholders. The site would be contacting the local community and stakeholders to discuss future plans. Emma Burwood had produced a flyer on the pipeline strategy. Please email Emma: emma.burwood@magnoxsites.com if you would like a copy.

Site End State

A lot of work was progressing and the site would continue to work with stakeholders and regulators on the proposed end state for Dragon and SGHWR. It was hoped to keep this as sustainable as possible, and to minimise impact of arisings on the environment. The site would continue to engage with stakeholders and the EA on disposals.

Socio-Economic Funding

Andy Munro encouraged people to apply for money from the Magnox socio economic fund. Please contact emma.burwood@magnoxsites.com for more details.

Apprentices

Andy Munro said that the site had taken on a number of apprentices last year and there would be vacancies across a number of disciplines across the whole of Magnox this year. A local press release would be issued with details on how to apply.

Q2: Cherry Brooks said that she had heard that the government were looking at plans to build new nuclear stations on sites of old ones and asked whether there were any plans to do this on the Winfrith site.

A2: Andy Munro said that he was not aware of any plans for Winfrith or the Dorset area.

Q3: Barry Dyke said that he was involved on restoration work for Wool Community Centre and asked if that would come under criteria for Socio-economic funding.

A3: Emma Burwood said that applications must meet certain conditions but that there might be other things that Magnox could help with and asked that Barry contact her outside of the meeting.

Q4: Barry Dyke asked if the pipeline that crossed the field opposite Purbeck Gate would be removed as there were housing proposals for that land?

A4: Barry Quinn said that the pipeline was further up the field rather than opposite Purbeck Gate. As NDA endorsement had been received, the site would be working on a strategy and would want to remove as soon as possible.

2. Nuclear Decommissioning Authority Report – Jonathan Jenkin

- Good progress had been made in restarting site operations across the group following the end of the first lockdown, and the NDA continued to respond to recent changes of the re-introduction of lockdown restrictions. There had been a reduced presence of staff at some sites (Sellafield and Trawsfynydd) where there had been clusters of Covid.
- The new NDA chair, Ros Rivaz, had taken up her post on 1 September 2020. She has had an extensive career with experience of working Exxon-Mobil, Tate & Lyle, ICI, Premier Foods and Diageo. The SSG Chairs had met Ros Rivaz in October 2020.
- A new Non-Executive Director, Francis Livens, had joined the NDA Executive Team. He had 35 years' experience of nuclear research, and was a member of the Nuclear Innovation and Research Advisory Board, which advised BEIS.
- In March 2020 Mark Rouse had been appointed Director of Dounreay and he would continue after the transition from Cavendish PBO to the NDA subsidiary later this year.
- The draft Business Plan had been published on 8 December; it set out group spending plans for financial years 2022 to 2024 and the NDA welcomed comments by 2 February.
- The creation of Nuclear Transport Solutions would bring together all transport under a single division from 1 February and the NDA had announced its intention to create a single waste Division to bring waste management under one group.
- RWM had welcomed the formation of two GDF Working Groups in Copeland and Allerdale, and would begin local discussions/fact finding for potential sites in those areas. This would not preclude GDFs being sited elsewhere.
- The current Strategy Document published in 2016 would be reviewed; this had been sent to stakeholders for feedback and information could also be found on the www.gov.uk website. Approx 70 sets of comments had been received. The final draft should be published by 3 March, with a document setting out the main comments received and how they had been addressed.
- UKAEA were looking to identify a site for the Spherical Tokamak for Energy Production (STEP) fusion reactor, which BEIS were looking to set up in the UK. Interested communities could complete a questionnaire and details would be confirmed at the end of March. Sites would have to be over 100 hectares with access to cooling water. The NDA would advise BEIS on suitable sites and would facilitate conversations between NDA and communities. Andy Munro said that he had not previously been made aware of this.

Q5: Peter Fry asked if the site BEIS were looking for a 'Culham No 2'?

A5: Jonathan Jenkin said that he could not comment on the technical specification or how it compared with JET technology, but hoped to obtain more information from UKAEA.

Q6: John Larkin asked if the Winfrith site was over 100 hectares and assumed that it would not be well equipped with cooling water so unlikely to meet the criteria.

A6: Susan Adams confirmed that the site was under 100 hectares. Jonathan Jenkin added that the UKAEA might not necessarily be looking for an existing nuclear site.

4. Regulators

ONR – Neil Doggett

- Neil Doggett explained that from 1 November he had taken over from Paul Jenneson as ONR's Harwell and Winfrith Site Inspector. He had worked for ONR seven years, mainly at Sellafield and on waste retrieval programmes.
- In the last quarter, there had been much focus on site Covid arrangements; and closing out plans. There had been inspections for restart operations and S-192 procedures at Winfrith, including maintenance arrangements and training of staff to ensure that

arrangements were in place for operations to be undertaken by suitably qualified (SQEP) staff. Both inspections had been given a green rating.

- The site had been very accommodating in facilitating a number of visits but some had been postponed to February due to Covid restrictions. Regular virtual meetings had been held with Andy Munro and his team.

Environment Agency – Adam Davis

- The EA report had been issued prior to the meeting and covered the pandemic period.
- Adam Davis said that during the last quarter the EA had focused on pause and restart processes from an environmental point of view, looking at management systems, training and provision of equipment. He said that the quality plans had been well thought through and planning for second and subsequent phases of Covid had been very good.
- In December the EA attended the site to discuss decommissioning plans for the Active Liquid Effluent System (ALES) and also the sea pipeline.
- Community engagement would be crucial, especially where the pipeline cut across people's land; this could prove difficult to remove and must be done safely. The marine part of the pipeline could raise issues and it could be prudent to obtain guidance on best practice from the oil and gas industry.
- Adam would visit Winfrith in early February to look at arrangements for low activity waste and to look at how the dismantling programme addressed issues related to waste production and storage before transmission off site. He would also look at the maintenance of ventilation systems across Harwell and Winfrith.
- There had been no non-compliances in relation to operations this year. Lessons had been learnt from the joint enforcement work and the EA had been pleased with that.
- Doses continued to be very low and within 3% of the national dose limit. Aqueous discharges from ALES were low and gaseous discharges were within 3 - 4% of the permitted limit.

5. Progress on Winfrith Reactors Programme – Kevin McIntyre

- Kevin McIntyre reported on progress in the SGHWR main turbine hall where walls had been knocked down and new ones erected in readiness for reconfiguring areas of the hall for core dismantling.
- A new concrete slab had been poured on the south annex car park and this formed a base for the new concrete grouting plant. Components for this should be delivered in early March.
- Decommissioning of the Primary Containment area had taken 5 years. Floor beams had been removed from the North side to carry out shot blasting to allow general access for building works. Manufacturing, testing and re-testing had been done off-site and a new control room would be delivered in four parts, ready for assembly later in the year.
- The final decommissioning work had been completed at Dragon and the facility would be ready for the new control room installation. A new crane gantry and robotic arm would be installed and work continued to house the shielding doors.
- Plant and Structures would continue decommissioning/demolition work; some buildings and sewage works had been knocked down and should be gone by March 2021.
- At the end of financial year 2021/22 the site would move to looking to obtain regulatory approval to start decommissioning of the SGHWR core. External construction would continue, followed by a huge internal construction programme where concrete structures would be installed in the Control Room.
- Plant and Structures continued to remove redundant structures on a timeline to match SGHWR.

6. Any Other Business

- Barry Quinn said that the next meeting would probably be held in late summer via Zoom and a date would be advised in due course. A copy of the slides can be found by following the link <https://magnoxsocioeconomic.com/ssg.php>
- The Magnox video on the recent Soc Ec grants to local councils was available on the following link: <https://www.nsan.co.uk/page/MagnoxCommunityAwardFinalist> This had been entered for an award and members were encouraged to vote.
- Neil Doggett asked about arrangements for Tradebe stakeholder engagement. Barry said that they held a first meeting, but there had been no further meetings due to Covid. Barry offered to take up the matter with Tradebe and get back to Neil. John Larkin said that local people were interested to know about work going on at the Tradebe site.
- Barry Quinn thanked everyone for attending the meeting.

Emma Burwood SSG Secretariat
Alison Pugh Minutes Secretary

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9 February 2021



Magnox

Winfrith Site Stakeholder Group (SSG)

27th January 2021

Andrew Munro

Site Director - Harwell & Winfrith

Magnox - Winfrith Site

- Covid-19
- Site operations
- Health, Safety, Security, Environment and Quality
- Discharge pipeline
- Site end state
- Magnox Socio-Economic Scheme



Covid-19

- First Lockdown (Mar 20)
 - Site shutdown to monitoring & surveillance only within a 2-day period.
 - 16 weeks in full shutdown.
- Re-start
 - Commenced start of Jun 20.
 - Back in full operations by mid-Sep 20.
- Health Protection Controls / Covid-Secure Workplaces
 - Compliance with Company Standard (S-192) based on latest Government advice.
- Covid-19 cases
 - Small handful of unconnected positive Covid-19 cases for people based at site.



MAGNOX

Site Operations

- Operational Levels
 - L1 (Full) to L5 (March 20 lockdown).
 - Site currently open for normal business and fully operational (L1).
- Decommissioning Programmes – Maintaining Full Production Levels
 - SGHWR
 - DRAGON
 - Plant & Structures
 - Site Restoration
- Budgets and funding for 2021/22
- Lifetime Plan Review



Magnox

Health, Safety, Security, Environment & Quality

Conventional Safety

- More than 12-months without an injury.
- But a recent minor finger injury at SGHWR (Jan 21).

Regulatory Issues

- Sep 2019: Warning Letter (EA) and Enforcement letter (ONR) regarding VLLW (Very Low Level Waste) and Out-of-scope waste consignment events; Winfrith and Harwell (Mar-Jun 2019) – *regulatory issue closed by ONR.*
- Licence Condition 17: Harwell-Winfrith Management System – *improvement plan underway.*



Magnox

Health, Safety, Security, Environment & Quality

Environmental Events

- Blacknoll Heath fire and subsequent water leak in SGHWR (28-29th Jun '20).
- Environmental monitoring quarterly report sent to EA with a page missing (2nd Mar 20). Scanning error that was addressed.
- Environmental monitoring return sent to EA with an error in gamma dose rate results on 31st Mar 20. Error addressed.
- Anomaly found on ventilation flow settings on return to service of SGHWR vent systems after lockdown pause in operations (27th Jul 20).
- Loss of stack flow data due to an error by operative in SGHWR (19th Nov 20).



Magnox

Discharge Pipeline

- Operational effluent discharge from 1960–to date.
- 9.7km terrestrial and 3.7km marine sections.
- Carried out an options assessment involving many stakeholders regarding what to do with pipeline.
- A decision taken to remove sea and terrestrial section, further work to decide on strategy for MoD section.
- Now the agreed strategy.
- Magnox embarking on a planning/optioneering phase that will involve stakeholder communication & management.
- If you would like the information flyer produced on the pipeline work please contact emma.burwood@magnoxsites.com.



Magnox

Pipeline overview



Site end state

- Work is continuing to define the details of the End State for the Site, including:
 - Detailed modelling and design work for on-site disposals at SGHWR/Dragon continues, including assessment of impact of climate change on the site
 - Review of sustainable approaches to recovery of demolition arisings.
- Plans in 2021
 - Recommence environment and habitat surveys to support EIA
 - Continued stakeholder engagement on design of disposals at SGHWR and Dragon and restoration management plan
 - Further definition of End State designs for SGHWR and Dragon.



Magnox



Magnox Socio-economics – 2020/21

Magnox Soc-ec Scheme (Magnox wide) £1,020,035 of funding available from 01/04/20

- £25,000 made available to support local Covid-19 initiatives at each site.
£300,000 committed from the overall scheme.
 - Dorset Council applied for and received £14,000 to date
- Dorset Wildlife Trust £7,500 first trainee (part of three year £22,500 package)
- Winfrith & Lulworth School have received £7,700 - replacement heat pump and housing sheds for the swimming pool.
- Dorchester Choral Society £815 - production of Seasonal DVD

For further information and to check eligibility, go to:

<https://www.gov.uk/government/collections/magnox-working-with-our-communities> For applications under £1,000 contact Emma Burwood:
Emma.burwood@magnoxsites.com

Applications over £1,000 Contact Haf Morris: Haf.e.morris@magnoxsites.com
or tel: 07912799820





NDA Update

Jonathan Jenkin

Winfrith SSG
27 January 2021

NDA Update

NDA Group COVID-19 Recovery Plans

- NDA Group continues to respond to the impacts of the Covid pandemic
- Good progress in restarting site operations across the NDA Group since the first lockdown
- Reduction in staff presence at some sites (e.g. Sellafield)
- NDA Corporate Centre staff continuing to work from home except essential office access
- Health, safety and wellbeing of staff remains our top priority

NDA Update

New NDA Chair

- Our new Chair, Ros Rivaz, started with the NDA on 1 September 2020.
- Ros started her career in ExxonMobil, specialising in supply chain leadership. She has worked in senior roles for Tate & Lyle, ICI, Diageo and Premier Foods and was Smith & Nephew's Global Chief Operating Officer from 2011-2014.



NDA Update

New NDA Non Executive Director

- Welcome the appointment of Francis Livens to NDA Board
- Over 35 years' experience in nuclear research
- Professor of Radiochemistry and Director of University of Manchester Dalton Institute
- Member of Nuclear Innovation & Research Advisory Board and ONR Independent Advisory Panel



NDA Update

New Dounreay Managing Director

- Welcome the appointment of Mark Rouse as MD of Dounreay Site Restoration Ltd from 1 April
- Mark took up role as MD in March 2020
- Second spell at the site (2013 – 2015)
- Previously President of Cavendish Nuclear Japan



NDA Update

Draft Business Plan, 2021 - 2024

- Draft business plan published on 8 December for 8 week public consultation
- Sets out NDA Group spending plans and priorities for financial years 2021 – 2024
- Incorporates outcome of 2020 Spending Review settlement
- Consultation ends on 2 February
- We welcome your comments

NDA Update

Nuclear Transport Solutions

- Single transport division bringing together transport expertise and capabilities across the NDA Group
- Will begin operating as a single organisation on 1 February ahead of its full launch in April
- Transportation of spent fuel, nuclear materials, return of reprocessing products to overseas customers, packaging and licensing support to NDA Group
- Intention to create a single waste division

NDA Update

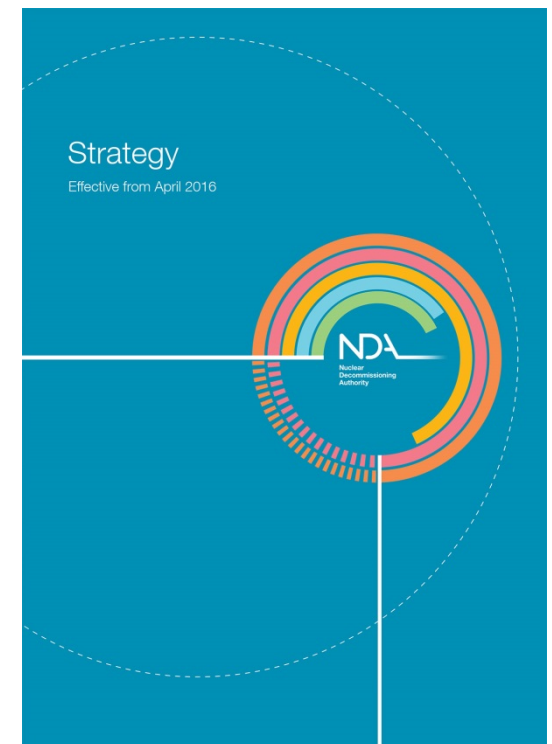
GDF Working Groups

- Radioactive Waste Management (RWM) has welcomed the formation of the first two Working Groups in Copeland and Allerdale
- Important steps in the Geological Disposal Facility (GDF) programme
- Working Groups will begin local discussions and fact-finding about potentially siting a GDF in Copeland
- Does not guarantee that a GDF will be sited in Copeland or preclude other communities from establishing Working Groups

NDA Update

Draft Strategy 4

- Our Strategy has to be reviewed at least every 5 years
- Current Strategy was published in 2016
- Draft Strategy 4 published for public consultation from 17 August – 8 November
- Final approved Strategy published by 31 March 2021



NDA Update

Draft Strategy 4 – Stakeholder Engagement

- Pre-engagement phase
 - Information packs sent to key stakeholders
 - Virtual meetings (NGO Forum, SSG sub-groups, Theme Overview Groups etc.)
- Consultation phase
 - Full document published on gov.uk
 - Social media promotion of S4
 - Virtual meetings with stakeholders, including national stakeholder event, NGO Forum, NuLeAF etc.

NDA Update

Draft Strategy 4: Consultation and Next Steps

- Approximately 70 sets of comments from a range of stakeholders
- We have carefully considered all comments and, where possible, taken them into account in the final draft
- Final draft has been submitted to UK and Scottish Ministers for approval
- Final Strategy will be published by 31 March 2021 with consultation response document



Making a difference



Reactors Programme Winfrith

Winfrith SSG 27th January 2021

Kevin McIntyre

Reactors Programme Manager



Winfrith

- SGHWR
- Dragon
- Plant and Structures
- Next Steps

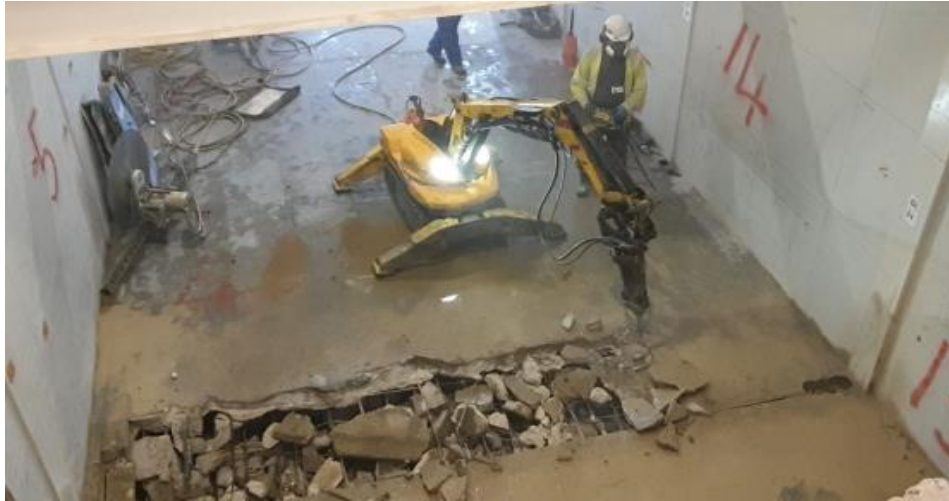
SGHWR South annex construction



SGHWR turbine hall demolition



SGHWR North annexe demolition



SGHWR primary containment



SGHWR manufacturing



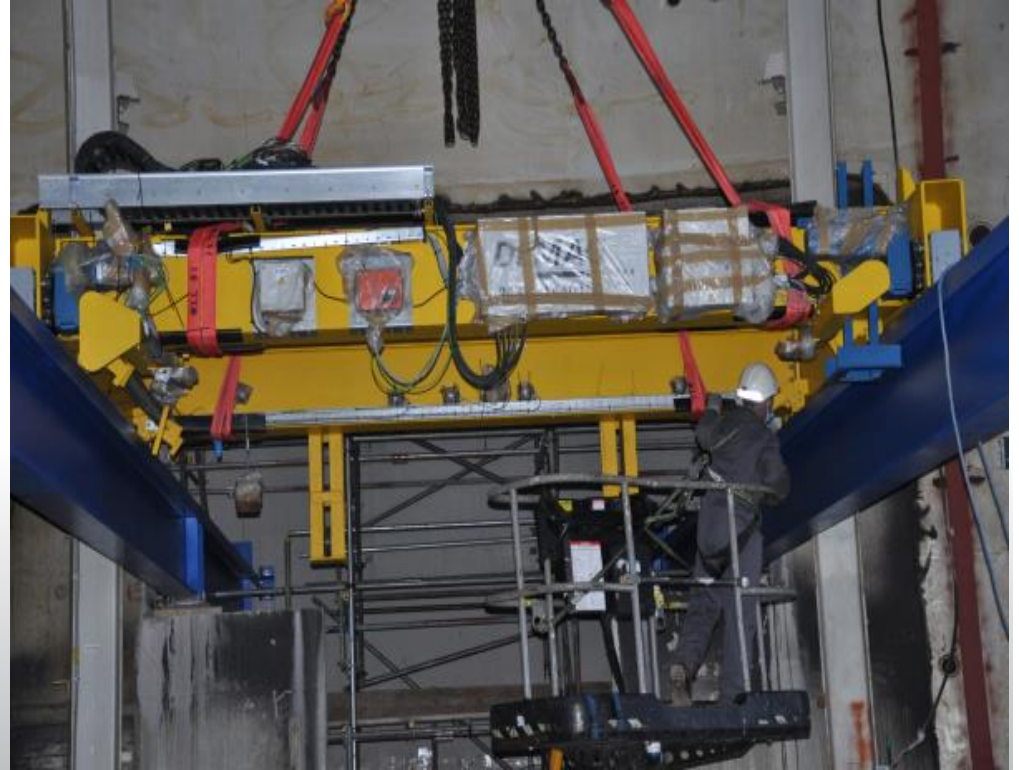
Dragon - Last areas of decommissioning



Dragon switch room and control room



Dragon



Dragon



Plant and Structures



Plant and Structures



The Future