



HARWELL CHILTON CAMPUS LOCAL STAKEHOLDERS MEETING

Minutes of the 95th meeting held at the Jupiter Room, Catapult Satellite Applications, Electron Building, Fermi Avenue, Harwell on Wednesday 30 October 2019.

PRESENT

Chairman	Chris Broad, Chilton Parish Council
Secretary	Emma Burwood, Magnox Comms
Minutes	Trudie Tomlinson, Magnox

ATTENDEES

Ms Jennie Corridan	Sutton Courtenay Parish Council
Mr Paul Atyeo	Magnox
Ms Gill Brown	Magnox
Mr Paul Bryant	Speen
Ms Rebecca Cleverley	Environment Agency
Mr Stuart Clark	Magnox
Mr Gary Coupar	OCC
Mr Andrew Davies	NDA
Mr Anthony Dearlove	Didcot Town Council
Cllr Stephen Druce	Chilton Parish Council
Cllr Terry Fraser	Grove Parish Council
Ms Alison Fairley	Magnox
Mr Bill Hanks	Member of the public
Mr Paul Jenneson	ONR
Mr Joe Kelleher	Science and Technology Facilities Council
Ms Laura Male	Diamond
Mr Paul Mann	OCC
Dr Andrew Munro	Harwell/Winfrith Site Director, Magnox
Mr Steven Moss	UKAEA
Ms Annie Clark-Mussey	EA
Mr Gary Reid	Magnox
Dr John Sharp	SSG
Ms Laura Street	Magnox
Mr Paul Steventon	Public Health England
Cllr Daphne Boughton-Waite	Harwell Parish Council
Dr Christine Williamson	MRC, Harwell
Dr John Wilkins	Member of the public

1. Chairman's Remarks – Chris Broad

- The new Magnox structure is in place and Magnox is now managed by the NDA.
- In June I attended the Harwell Campus meeting. There have been massive changes at the campus recently including the disappearance of the old Harwell bus park.
- Angus Horner is keen to get more land released for future developments. This is dependent on funding issues.
- NDA Stakeholder Summit meeting was held on 9/10 July at at Coleg Menai, Llangefni in Anglesey. This was a big event with a wide range of delegates. The objective was to provide the NDA with an opportunity to engage with stakeholders on the progress they are making in terms of addressing one of Europe's largest and most complex environmental challenges. NDA gave an update on GDF.
- There is no sign of the Holliday report appearing.
- I attended the NDA event in London on 16 July. This meeting covered integrated waste management to site end states. There was a lot of focus on the reactor sites at Magnox.
- John Sharp and myself have regular catch up meetings with Magnox management. We had our last meeting with Rob Gentry who has now gone back to the USA and he introduced Andy Munro who is now the new Harwell/Winfrith Site Director.
- On 10 October we had a first formal catch up meeting with Andy Munro and we discussed various topics including future funding.

Questions:

Q1: You spoke of release of land. Are we talking about release of contaminated land or land outside that area?

A1: We were only talking about nuclear site licenced land release.

Q2: I am generally concerned with housing developments when we see the parking problems that we have had this morning. Under the Vale of White Horse Part 2 there was a bit to build 1000 houses here, is that going ahead?

A2: No, that bit was rejected so it probably won't happen.

2. Apologies for absence

There were apologies received from:-

Susan Stamp	Magnox
William Matheson	Magnox
Claire Williams	Magnox
Duncan Rogers	Magnox

3. Minutes of the 94th meeting – 25 April 2019

Rebecca Cleverley had one amendment to the minutes of the 94th meeting. This was page 5, 9th bullet point which reads “the EA continued to raise the importance of getting involved in site projects at an early stage” and should read “it is important the site environment team are involved early in projects”.

4. Magnox Harwell Licensed Site Matters

Site Director’s Report – Andy Munro

Andy Munro introduced himself as the new Harwell/Winfrith Site Director who took up the post on 1st September 2019 after a 3 month handover period with Rob Gentry. On 1st September Magnox Ltd became a subsidiary company of NDA. The new management team that replaced Cavendish Fluor Partnership comprises 38 Magnox Ltd SQEP employees and that each site has been allocated a Magnox Executive Site Sponsor. Harwell sponsor is Jacqui Archer, the Commercial Director.

The main points of the presentation were as follows:

Safety and Environment

- Andy’s main observations so far were that Harwell/Winfrith have a healthy reporting culture and a good questioning attitude.
- Staff are professional in dealing with challenging work.
- There is a healthy increase in Safety Reps.
- There are some good showcase projects such as the decommissioning of LETP.
- Magnox has a Target Zero safety campaign with a target TRIR of 0 but at the moment it stands at 0.52 at Harwell because of two recent injuries. Significant work was being put in to improve this.

Events

- There have been a number of waste-related consignment events which resulted in Harwell and Winfrith receiving a joint warning letter from the EA and an enforcement letter from the ONR. This related to VLLW/LLW (Very Low Level Waste and Low Level Waste).

Q1: Is that where waste was mis-identified?

A1: Yes, that’s correct.

- We are now implementing a comprehensive integrated waste improvement plan which we have shared with the regulators.
- New radiation (Emergency Preparedness and Public Information) Regulations 2019 – REPIR - came into force on 22/05/2019.
- Under new REPIR there is a new requirement for an Outline Planning Zone (OPZ) to 1km. This requires no change to the site’s current Emergency Plan.

Q2: Is the 1km OPZ from the perimeter?

A2: It is from a point on-site. Gill Brown (EHSSQ Manager, Magnox) will supply the maps and have a meeting if you wish to discuss this further. Please contact Emma Burwood if this is the case.

- Among the further priorities for Magnox Ltd are to maintain HSSEQ performance; focus on the development of a new lifetime plans; securing funding for next year and finalising work scope; site improvement plans, succession management and knowledge retention.

Successes for Harwell include:

- LETP remediation which is scheduled to be completed in summer 2020. Over 43,000 bags of waste have been generated and shipped.
- The HIBS project is virtually complete.
- The Nuclear Materials Transfer department led by Gary Reid is an example of a team doing a good job with steady, repeatable progress with a belt and braces approach.
- An overview of waste can retrievals and processing was also provided.

Future Programme

- The future programme means that these projects carry on.
- Funding for the Magnox socio-economic scheme is now £1,012,874 across the 12 sites. As of 14 October Harwell has had two successful applications which were £500 for 'Full Steam Ahead' event, £1000 to West Hendred Parish Council for replacement of play equipment at West Hendred Park. Further information can be found at www.magnoxsocioeconomic.com.

Questions

Q1: OPZ – can you explain this?

A1: It is in the new REPPIR requirements which will be implemented by May next year. REPPIR is part of the government's implementation of the emergency planning requirements. It means we have to provide an assessment of the radioactive materials on site, comply with the new regulations and inform the public. This requires no change to the site's current Emergency Plan.

Q2: If the money for Magnox is not decreasing, are the other facilities such as B220 going to be addressed? In other words, are things going backwards?

A2: We are in the process of agreeing funding and updating the lifetime plans and B220 needs to be addressed.

5. Reports

Office for Nuclear Regulation – Paul Jenneson

- The report was for the period 1 July to 30 September 2019. During this quarter, inspections by the ONR were made in August and September. Inspections are undertaken as part of the process for monitoring compliance with Nuclear Site Licence, Health and Safety at Work and IRRs.

- The ONR generally judged the site arrangements in response to safety requirements to be adequate but some enforcements were given in other areas.
- An enforcement was given under the Dangerous Goods Act because of a clear shortfall in sticking to the law (*earlier referred to by Andy Munro*). Safety risks were small but we have high standards. Magnox have been very proactive in dealing with this and have responded well.
- ONR generally judge the site arrangements in response to safety requirements to be adequate in the areas inspected over the quarter.
- The Annual Review of Safety for Harwell & Winfrith sites was held on 12 September and identified no concerns with site.
- The LC36 transition from CFP to NDA went well.
- Emergency demonstration is pending in the next quarter.
- ONR has released another stakeholder survey.
- Latest news from ONR can be found at www.onr.org.uk

Nuclear Decommissioning Authority – Andrew Davies

- The NDA welcomed the arrival of Andy Munro.
- Magnox Ltd has become a wholly owned subsidiary of the NDA after ownership transferred from the PBO Cavendish Fluor Partnership on 1st September. The transition worked well. There will be no controlling effect from the NDA on the Magnox companies.
- Some concerns highlighted were the waste consignment area and the NDA has this on their watch list.
- The NDA joined forces with the Nuclear Institute for the Integrated Waste Management Conference 2019 where many speakers and consultants attended. Earlier in the year, the NDA launched its Radioactive Waste Management Strategy and this can be found on their website.
- The last nuclear fuel has been shipped from Wylfa on Anglesey and Calder Hall in Cumbria for reprocessing at Sellafield, marking a major decommissioning milestone for the UK.
- The NDA has a progress report on its website highlighting the progress made by them since its inception.
- Tom Smith, Chairman of NDA is stepping down in February 2020 after 7 years on the Board and 3 as Chairman. The Department for Business, Energy and Industrial Strategy has started the process for recruiting his successor.
- The Holliday report has gone to judicial review and is not due to be released yet.
- The priority in terms of funding goes towards reduction in hazardous facilities at the sites.

Questions

Q1: This is a statement really. We have heard so many different commitments to different end-states over the years and have heard similar things said before. We need to be assured that this isn't just a re-

baselining with no progress or projects coming to fruition. I appreciate there is this uncertainty but I think this comment needed to be made.

A1: Noted

Environment Agency – Rebecca Cleverley (lead Nuclear Regulator for the Harwell site)

- The reporting period for the EA report covers the period between April and October 2019.
- EA regulate radioactive waste disposals to the environment through environmental permits that contain limits and conditions aimed at minimising wastes and protecting the environment. We make regular inspections at Harwell to check compliance.
- EA regulate and control activities through environmental permits.
- Magnox holds two permits under the Environmental Permitting Regulations (EPR) at the Harwell site.
- In June EA undertook a joint inspection with the ONR for Nuclear Regulation of waste arrangements at the site. No non compliances were identified. It was observed, however, that there was a lack of a link with top level documentation and procedures for the site. We made recommendations for this to be remedied.
- There were no non compliances with other permits.
- EA also visited the site to inspect the location where a track has been resurfaced using waste from road maintenance which had been designated as hazardous but not radioactive waste. Our Environment Management waste team is considering its response to this.
- There were two events at the LETP where waste shipments were sent with incorrect paperwork. Despite the irregularities in the paperwork there was no adverse impact on the environment.
- The latest RIFE report 'Radioactivity in Food and the Environment 2018' is published and available at the web address: <https://www.gov.uk/government/publications/radioactivity-in-food-and-the-environment-rife-reports>.

There were no questions.

6. Presentations

Removal of the off-site discharge Pipeline – Paul Atyeo

- We have remediated all the drains on the Harwell site.
- The offsite discharge pipeline (ODP) is an 18 inch jointed cast iron pipe that runs from Harwell to the Thames in Sutton Courtenay, a distance of over 8 km.
- It was constructed in the 1940s around All Saints Lane in Sutton Courtenay and is typically 1-3m depth.
- A 15 inch clean water supply pipe runs alongside.
- The ODP was shutdown in 2013.

- It was decommissioned in phases with work due to be completed at the end of 2019.
- The pipe contains a lime scale internal coating which is slightly radioactive and would be termed as radioactive waste if it was just left behind. The level of radioactive water is very low.
- The pipe runs across private land some of which is sensitive and some of which is under development pressure. The ODP removal will enable land re-use.
- EPR Permit Surrender Requirements – termed a partial permit surrender and applies to the pipelines and structures. We sample every joint and carry out surveys at exposed trenches.
- Assessments are made against the Environmental Permitting Regulations 2016 with Environmental Permitting (Amendment) (No 2) Regulations 2018.
- Radiological Monitoring is carried out onsite at the ODP includes use of hand probe surveying for alpha/beta contamination for reassurance and health protection. Spoil is surveyed using GR130/135 for gamma.
- Validation samples are taken under every joint (approximately every 5.5 m). The trenches are surveyed when exposed and the land is left clean.
- Some bits couldn't be removed as there were too many services so we had to leave it behind but it was cleaned in-situ using high pressure water.
- The ODP work that remains are cleaning ODP at Park Drive in Milton Park by jet washing, use of Nuvia SubTerra 'drainhog' survey equipment testing, post cleaning CCTV survey from ODP Park Drive. We will not be doing the bit under the A34 as the road is too busy and there is no easy way of accessing this pipe without closing the road. This is only something we would do by piggy backing on planned roadworks.

Questions

Q1: What have you done with the pipes?

A1: It is on the Magnox site at Harwell and awaiting a decision about how to treat the pipes and how to dispose of it as waste.

Q2: When you did the testing for leaks did you find any radiation?

A2: Yes, we found a few low levels of radiation that had not gone too far and they were removed.

Q3: The map showed the pipeline as being close to my house in Milton Heights. How far did you get?

A3: We got as far as the fence at the top of the embankment, the other side of the fence near where the new houses are being built. If the pipe was in someone's garden we would have removed it.

Q4: Have you finished making good the footpaths in Sutton Courtenay?

A4: We hope so. We will be doing a walkover soon and if you would like to join this with our project manager contact Emma Burwood.

On a personal note, this is my last SSG as I am off to pastures new.

The SSG thanked Paul Atyeo for his contribution over the years.

John Wilkins gave a personal speech summarising Paul's career at Harwell summarising the many contributions he has made. The SSG thanked Paul Atyeo for his contribution over the years he has been at Harwell.

7. Campus Matters

Science and Technology Facilities Council – Joe Kelleher

- You will notice that our logo is now different. This is because we are now part of UK Research and Innovation. UKRI - UK Research and Innovation - works in partnership with universities, research organizations, businesses, charities, and government to create a flourishing environment for research and innovation.
- We recently opened a training centre for apprentices at Culham to train apprentices with A-levels as an alternative route to professional jobs. This often means that they can get up to speed more swiftly on new technologies.
- The Extreme Photonics Applications Centre (EPAC) in Oxfordshire is a new national facility to support UK science, technology, innovation and industry. It's a partnership between UKRI, MoD, academia and industry. These are high powered pulsed lasers used for more effective radiotherapy, quantum physics; inspection and imaging for manufacture and medicine, defence and security (eg impacts of bullets and IED's).

Diamond Light Source – Laura Male

- Laura gave a brief outline of that Diamond does. Diamond Light Source is the UK's national synchrotron light source science facility located at the Harwell Science and Innovation Campus in Oxfordshire. Its purpose is to produce intense beams of light whose characteristics are used in scientific research. Diamond has 600 employees and has a visitor user community of over 7000.
- Diamond hosts many public engagement activities especially schools. This year alone over 3000 schools visited. An area of special interest that Diamond has worked on is two of the Herculanean Scrolls. The beam at Diamond focuses on these scrolls of papyrus found in Herculaneum, Italy, which had been buried after Mount Vesuvius erupted in A.D. 79 with the hope of being able to read fragments of them.
- Further information can be found at www.diamond-ac.uk

8. Any Other Business

There was none.

9. Date of Next Meeting

30 January 2020

Chris Broad – Chairman of SSG
Emma Burwood – Communications and Socio-economics Lead
Trudie Tomlinson – Minutes Secretary
Andy Munro – Harwell/Winfrith Site Director

13 November 2019