



## HARWELL CHILTON CAMPUS LOCAL STAKEHOLDERS MEETING

Minutes of the 90<sup>th</sup> meeting held at the Satellite Applications Catapult, Electron Building, Fermi Avenue, Harwell on Thursday 7 December 2017

### PRESENT

<b>Chairman</b>	Chris Broad, Chilton Parish Council
<b>Deputy Chair</b>	John Sharp, East Hendred Parish Council
<b>Secretary</b>	Emma Burwood, Magnox Comms
<b>Minutes</b>	Trudie Tomlinson, Magnox

### ATTENDEES

Mr Paul Atyeo	Magnox
Cllr Paul Bryant	Speen
Mr Stuart Clark	Magnox
Mr Gary Coupar	OCC
Mr Andrew Davies	NDA
Cllr Stephen Druce	Chilton Parish Council
Mr Michael Dunnett	Magnox
Cllr Terry Fraser	Grove Parish Council
Mr Bill Hanks	Member of the public
Mr Peter Hayes	ONR Inspector
Mr Paul Jenneson	ONR Inspector
Mr Neil McColl	Public Health England
Ms Amy Palmer	OCC
Mr Stuart Watson	Magnox
Mr Rob Squires	Magnox
Ms Caron Weaver	Magnox
Dr Christine Williamson	Head of Safety, MRC Harwell
Dr Peter Walker	Member of the public



### **1. Chairman's Remarks – Chris Broad**

Since the 7<sup>th</sup> September meeting, there has been an NDA stakeholder Summit in Cumbria on 18/19 September where the SSG has heard from new NDA chairman, Tom Smith and the NDA CEO David Peattie. NDA acknowledge the mistakes of the past. A lot of time will be devoted to waste and its management which is the major issue faced by the industry and there will be no change in strategy. The UK is still seeking a passive solution to waste ie GDF.

The NDA acknowledge Sellafield as of significant importance to Cumbria and it should be treated so.

There's been no word on the future management of the Magnox sites.

The SSG chairs are due to meet the Magnox Inquiry Team in London on 1<sup>st</sup> January.

The consultation on a 1000 houses to be built north of the campus is now closed. This is part of the Vale Local Plan Part 2. Chilton and East Hendred Parish Council has objected to this substantial development in an area of outstanding natural beauty.

### **2. Minutes of 89<sup>th</sup> meeting**

The minutes were accepted as a true record

### **3. Matters Arising**

There were no matters arising.

### **4. Magnox Harwell Licensed Site Matters**

#### **Harwell and Winfrith Closure Director's Site Report – Michael Dunnett**

The main points were as follows:

##### **Safety and Environment**

- No notable events to report
- No significant issues raised after ONR inspection apart from a few minor issues
- No injuries since the last SSG meeting
- No other significant events to report
- We are continuing to focus on Target Zero
- There are no significant environmental issues to report
- Making progress on removing legacy wastes from around the site

#### **Programme Update**

**LETP** - Progress with LETP decommissioning of HLA/Tanks is progressing well. We are continuing size reduction and decontamination in B336.10A. Demolition is expected in early 2018. Preparations are underway to start remediation phase. Characterisation of ground and below tanks is complete.

**Harwell ILW Box Store (HIBS)** – making good progress with this.

**Nuclear Material Transfers** – CHILW transfers commenced in August. 8 shipments have now been despatched (51 drums). LEU will move mid-2018. CLD transfers completed – 242 drums. Other CLD's require TN Gemini flask modification and regulatory approval so delayed until summer 2019. Now despatching CLD and CHILW loads simultaneously. We are currently carrying out modifications to the Dragon Flask and Modular Flask.

**462 can retrievals** – RM2 retrievals hampered by water in tubes and technical failures but going well. There are 289 tubes to go. RM1 restart delayed due to technical resource availability, but making good progress. Head End Cells progress is on target, 427 cans this financial year.

**WEP (Waste Encapsulation Plant)** – inactive commissioning is ongoing. This will be followed by active commissioning prior to ONR approval to operate which is expected to be early 2018.

**Other projects** – a legacy waste team has been established to remove historical wastes. B551 will be demolished in 2018. B540.1 has been demolished. There are continuing discussions with the Harwell campus about future needs.

**The future programme** – in 462 waste retrieval and processing of cans through the Head End Cells will continue. Options for POCO of tubes will be developed. Movements of CHILW drums in Novapaks and CLD's in FHISO's will continue. Movement of CLDs in TN Geminis will commence soon.

Other projects include legacy asbestos remediation; commencement of 220, 551 and also BEPO decommissioning and the continued care and maintenance of other redundant facilities. The future programme is very much to carry on as we have been.

Finally, after 5 ½ years at Harwell and Winfrith I will be leaving to take up a new role elsewhere in Magnox. Rob Gentry will take over as Harwell and Winfrith Closure Director on Monday 11 December and Caron Weaver will take on the role of Executive Sponsor for Harwell. I wish you all the very best with the future of Harwell and am sure Rob will continue to maintain the good relations we have had to date.

Rob Gentry then introduced himself to the meeting as the new Harwell-Winfrith Site Director.

## Questions

Q1: Thanks for keeping us well informed. At the last meeting there was a discussion on setting up a new group to discuss emergency arrangements. Has that taken place?

A1: We set up a group to discuss the above with stakeholders on the campus. The idea is to meet about every 3-4 months to discuss issues from site exercises. No issues have come up as yet.

Q2: Have you given thought to the threats and opportunities that may come from Brexit, eg Euratom, transport?

A2: There will be some impacts from Brexit but they will be secondary ones. For example, what replaces Euratom will be the same as the current arrangements. There will be no difference. Article 37 may have an impact. With transport package arrangements there is the potential that

Gemini could pose a problem but the agreement we have is through the French regulator and Brexit has no impact on this agreement. Brexit is not a major discussion point really other than the possible confusion caused by Euratom.

Peter Hayes made this comment on Euratom – ONR has an interest in this and they are engaging with Bayes to consider the way forward with Euratom.

Q3: I would like to say that you have done a very good job since you've been here and I would like to thank you for that.

A3: Thanks for the feedback. I have enjoyed my time here over the last 5 ½ years.

## **5. Office for Nuclear Regulation – Peter Hayes**

- A report by the ONR has been issued and we will endeavour to have reports to coincide with the SSG meetings going forward.
- The ONR deals with specific licenced nuclear sites. The HSE deals with site wide campus matters.
- Emergency exercises – the requirements for emergency exercises are safety and security. The exercises at Harwell were successful but there were some learning points. The exercise was too close to Rutherford and we have said they need to have more communications on future exercises so they know exactly what is going on.
- A new Chief Inspector has been appointed at ONR.
- Peter Hayes is no longer the nominated inspector for Harwell and a new one has been appointed.

## **6. NDA Report – Andrew Davies**

- Apologies were sent from Dave Rushton.
- Dave Peattie, Chairman of NDA, sends his thanks for a meeting he attended with SSG chairs.
- The Safety Improvement Programme across Magnox is also being rolled out across the NDA including issues about mental health.
- The draft NDA business plan will be published later this month. A consultation is going ahead with this and is available for comment.
- We are focussing on the release of land for future development of the Harwell campus.
- The Holliday enquiry is still ongoing. The final report is due to be released in January.
- The NDA will attend public accountability committees next year.
- Dave Peattie has said he is committed to learning from the NDA competition failures.

## **7. Environment Agency**

Apologies were sent from Rebecca Cleverley.

## **8. HIBS presentation – (Harwell ILW Box Store) - Rob Squires**

Rob Squires, Project Manager for HIBS, gave a comprehensive presentation on HIBS.

- The national Geological Disposal Facility (GDF) will not be available until at least 2040 (last planning date).
- To make progress with decommissioning the sites (Harwell, Winfrith and Culham) an interim store is required. There is no existing box store with spare capacity. Option studies selected Harwell as the preferred site.
- Front end engineering produced a concept design for a store. It is approximately 90m by 30m by 14m high (built at 72m long). It has 0.5m thick concrete walls up to 6.9m, topped with portal frame walls and roof and a 55 tonne overhead crane for box handling
- Vent system – control temperature, humidity and airborne discharges (Tritium)
- Large items of ILW (e.g. reactor components) are best packaged in large boxes
- Best estimate of inventory is 438 boxes but store has capacity for 484 boxes

### **Questions**

Q1: What is the typical radiation level outside those boxes?

A1: EC dose. Storage is separated by a shield wall so the whole principle is that no one goes in the store unless necessary and there are interlock doors.

Q2: What is the shield plate and coupon spillage?

A2: Shield plates protect against radiation shine. Hotter boxes are packed in the middle and shielded by other boxes. Hotter boxes are likely to be from SGHWR from Winfrith. With SGHWR we know exactly what is going into each of the boxes and what the radiation level is so it will be easily manageable.

Q3: Is the building and crane seismic tested?

A3: No.

Q4: Is it possible to remove these boxes remotely eventually?

A4: Yes, they will be put onto low loaders, the boxes picked up by cranes and they can be monitored and put into inspective facilities.

## **9. Other reports**

Apologies have been received from other reporters to the SSG.

## **10. Any Other Business**

MRC festival is planned for next year. Further details will emerge later.

## 11. Meeting dates for 2018

Thursday 26 April 2018

Thursday 13 September 2018

Thursday 6 December 2018

**Chairman:** Chris Broad

**Secretary:** Emma Burwood

**Minutes:** Trudie Tomlinson

**Director:** Michael Dunnett, Harwell Winfrith