



HARWELL CHILTON CAMPUS LOCAL STAKEHOLDERS MEETING

Minutes of the 86th meeting held at the Satellite Applications Catapult on Thursday 7 September 2016

PRESENT

Chairman	Chris Broad, Chilton Parish Council
Secretary	Emma Burwood, Magnox Comms
Minutes	Trudie Tomlinson, Magnox
SSG Secretariat	Tracey Finn

ATTENDEES

Paul Atyeo	Magnox
Cllr Chris Bedford	Parish Councillor
Rebecca Cleverley	Environment Agency
Stuart Clark	Magnox
Mike Fox-Davies	Member of the public
Michael Dunnett	Harwell Closure Director
Bill Hanks	Member of the public
Nick Parry	Managing Agent, Hendred Estate
David Rushton	NDA
Christopher Thomas	Food Standards Agency
Cllr Roger Turnbull	Parish Councillor
Cllr Reg Waite	Blewbury and Harwell ward
Daphne Boughton-Waite	Harwell Parish Council
Dr Peter Walker	Retired UKAEA
Derek Whitmell	Upton Parish Council
Dr Chris Wilding	Steventon Parish Council
Dr Christine Williamson	Head of Health and Safety, MRC Harwell
Mr John Wilkins	Member of public
Gary Reid	Magnox



HARWELL SITE STAKEHOLDER GROUP
86TH MEETING

Date: Wednesday, 7 September 2016
Time: 16:30 for refreshments, tour starts 17:00
Venue: The Satellite Applications Catapult, Electron Building, Fermi Avenue, Harwell Oxford, OX11 0QR

AGENDA

1. Coach tour around site and visit of the Liquid Effluent Treatment Plant (LETP) (60)
2. Chairman's remarks:
 - Welcome guests
 - Chairman's Notes – Chris Broad (10)
 - Apologies for absence and changes in membership
3. Minutes of the 85th meeting held on 12 May 2016
4. **Magnox Harwell Licensed Site Matters**
(a) Closure Director's Site Report – Michael Dunnett (20)
5. **FSA Presentation on Habits Report** – Christopher Thomas (20)
6. **Any other business:**
7. **Next Meeting:** Thursday, 8 December 2016

Emma Burwood – Communications and Socio-economics Lead

Tracey Finn - SSG Secretariat

Trudie Tomlinson - Minutes Secretary

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SSG Agenda 7 September 2016



Coach tour of Harwell site

The meeting was preceded by a 60 minute coach tour of the facilities at the Harwell site conducted by Stuart Clark from Magnox Property Management.

This was followed by a visit to the Liquid Effluent Treatment Plant hosted by Robin Hewat-Jaboor, Decommissioning Project Manager.

Chairman's Remarks

The SSG chairs met on 26 July in London to discuss general updates. There was an original discussion on 17 May in Manchester but the outcome was unclear. Harwell will continue with the decommissioning programme as it is working to allow the land to be released. Winfrith is a different story as it is being returned to heathland.

At the Harwell workshop on SSG communications there were genuine concerns that communications weren't getting through to all people. There was no consensus on how to address attendance at these meetings. Dounreay, for example, make use of social media. The topic was raised as to how this SSG could improve its communications and represent the views of stakeholders.

There have been some issues that have recently affected the NDA especially the contract problem with Energy Solutions where they took the NDA to court. Energy Solutions have now won their case and as a result the NDA are liable to large fines. This will not affect how CFP manage the sites.

There was a recent BBC Panorama programme looking at safety at Sellafield which raised a number of issues. These issues were already widely known at Sellafield and the programme omitted telling the whole story, especially the progress in hazard reduction that had taken place successfully over the last three years.

Socio-economic funding – Magnox can give a sizeable amount to good causes and have done so. However, the budget needs to be fully spent to avoid embarrassment.

Minutes of 85th meeting held on 12th May

These were taken as an accurate record.

Harwell Licensed Site Matters

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

The main points were as follows:

Safety and Environment

- There were no significant nuclear safety or environmental issues identified.
- A new emergency plan is now in place as of 1 September. Further changes to the emergency plan are being evaluated which reflect the fact that hazards at Harwell have significantly reduced.
- There has been one recordable injury on site when an LETP worker tripped over a pallet truck and broke his ankle whilst moving waste. This has been investigated and working practices are currently being reviewed.
- There has been a relaunch of Target Zero at the sites and an issue of a new Standards and Expectations Manual. We are working collaboratively with contractors to improve safety.
- One batch of samples was sent to a commercial laboratory and was found to have a higher Am241 than the lab was permitted to hold. The batch was returned and sent to Winfrith instead.

Programme Update

- Good progress has been made, all on target.
- RM1 restart is getting closer.
- With WEP, inactive commissioning will be complete by March 2017, then active commissioning is expected around August 2017.
- Expect to receive Novapak containers by the end of the year for CHILW transfers. Remaining CHILW expected to restart transfer early 2017.
- Nuclear material transfers start end of 2017.
- Dragon Waste expected to carry out modifications to Dragon Flask and Modular Flask in 2018.
- Construction has commenced on the Harwell ILW Store.

LETP Decommissioning

- LETP Decommissioning is progressing well. Further details had been given earlier at the LETP tour.

Other Projects

- Legacy Active drains project is making good progress.
- B462 Security Project largely complete.

OMAD

- OMAD has been a very successful project which came in on time, under budget and with no accidents.

Harwell Incident Response Service (IRS)

- IRS was withdrawn on 1 September. We continue to rely on external emergency services as before but the onsite first response has now moved. This puts the first response closer to where the work takes place and ends the 24/7 operational presence on site. The weekends and holidays are now covered by Security/CNC only.

Magnox Restructuring

- Restructuring at Harwell Magnox is now complete. There will be further restructuring in future years in line with the programme.

The future programme for Harwell for the next 12 months

- Continue to retrieve cans and process through HEC, re-commence CHILW drums move following commissioning of Novapaks, continue constructing ILW store, completed WEP commissioning, complete LETP decommissioning and land remediation.

Questions

There were no questions.

Radiological Habits Survey and Food Monitoring Results – Christopher Thomas, Food Standards Agency

Harwell Habits Survey

- A habits survey was last conducted at Harwell in 2007. The latest survey was conducted by Cefas in 2015 on behalf of the Food Standards Agency, the EA and the ONR. Interviews were conducted with members of the public and data collected for over 300 people. The conclusions from this survey were published in May 2016 and is available to see on the Cefas website.
- A habits survey assesses what happens to radiation on sites and monitors any contamination that may have found its way into the food and environment. The survey examines what people are consuming in terms of food, water consumption, inhalation and radiation exposure from land and soil. Levels of radiation in food for example are assessed in Bq per kg multiplied by the amount consumed in kg per year and from this an average dosage in mSv to an individual can be calculated.
- The survey was conducted in a particular designated radius near the Harwell site of approximately 10 km.
- There used to be a discharge point at Culham but this has now been decommissioned so no rate is determined from there. Surveys are now carried out at Moor Ditch which carries treated effluent from the sewage works at Didcot to the Thames. The survey examined angling on the Thames and the consumption of fish caught. In 2015 no consumption of these foods was reported by those interviewed.
- Local trout farms were also surveyed.
- The results of the survey indicated there was no local milk consumption any more as there are no longer any local dairy farms, no local fruit and vegetables consumption, and a decline in local meat products being consumed. However there was an increase in farmed fish and poultry consumption.

Harwell Dose Trends

- There was very little contamination and very low levels of radiation were detected.
- The total dose to the public is on average 16 mSv per year where the safe limit is 1000 mSv per year.
- The dose from food consumption is less than 5 mSv per year.
- In context, radiation is a natural phenomenon and the average dose per year to a member of the public is 2,500 mSv per year or more if resident in areas such as Cornwall.

Questions

Q1: Do other industries discharge radioactive material into the Thames? You can't just say that the discharges are from Harwell as that's wrong.

A1: I'm not sure. With food we weren't detecting anything awry. But hospitals could also discharge into the Thames as well.

Q2: Do you differentiate between stuff from the sky which would contaminate the land?

A2: Yes, we do but it is still all well within safe levels. We recognise stuff can come from Chernobyl which we can detect. Doses from Harwell are so low you can't differentiate any more.

Q3: Can you compare any radiation levels with pollution from traffic?

A3: No direct comparisons have been made but could potentially look at harm to individuals from this. Traffic pollution can have similar effects but I don't have any statistics here. It is not easy to do. The message here is that the doses are so low it is impossible to detect where they came from.

Q4: You have an interesting social survey in that it is indicating local fruit and vegetable consumption is so low. Do people not buy fresh produce locally?

A4: Yes, it is an interesting indication. I think it shows that fruit and vegetables are not produced locally in the quantities they used to. Q-Gardens for instance don't produce fruit in the numbers they used to.

Q5: Did you look at doses to anglers from silts etc. Does that feature?

A5: Yes, we looked at doses from silts and muds and also with handling fishing equipment. We took a sample from flounders in the Thames but the dose was low.

Q6: Was the dose calculated or measured?

A6: The dose was calculated based on the information from site. This is not my area of expertise so I can't comment further but they are calculations, yes.

Any Other Business

There was no other business.

Date of Next Meeting

The date of the next meeting is **Thursday 8 December 2016**, 10:00, in Jupiter Room, Catapult Satellite Applications.

Michael Dunnett, Harwell & Winfrith Closure Director

Trudie Tomlinson, Minutes

3 November 2016