

TRAWSFYNYDD SITE
MINUTES OF THE NINETEENTH MEETING OF THE SITE STAKEHOLDER GROUP
HELD AT THE CONFERENCE AND INDUCTION CENTRE
ON MONDAY 10 JUNE 2013

PRESENT

Cllr J Isgoed Williams

Chairman

Trawsfynydd Site

Mr Dave R Wilson

Site Director

Mr Ian Edwards

Magnox

Ms Christina Black

Magnox

Mr Brian Hughes

Magnox

Ms Aimee Kentish

Magnox

Ms Pippa Waterman

Magnox

Mr Brian Hughes

Magnox

Mr Robin Phillips

Magnox

Mr Bryan Halsey

Magnox

Mr Richard Cowell

Magnox

Mr Bryan Walley

Magnox

Maentwrog Site

Mr Andy McAteer

Magnox

Unions

Mr Rory Trappe

Prospect

Mr Raymond Parry

Unite

Mr Paul Richardson

Prospect

Nuclear Decommissioning Authority

Mr David Edwards

Horizon Nuclear Power

Mr Richard Foxhall

Gwynedd Council

Cllr Thomas Ellis

Ms Nia Swann Bowden

Snowdonia Enterprise Zone

Mr Iwan Morris

Snowdonia Enterprise Zone

Town and Community Councils

Cllr John Richards

Talsarnau Community Council

Cllr D Meredydd Williams

Maentwrog Community Council

Community Groups and Organisations

Mr Idwal Williams

Traws-Newid

Dr Iolo ap Gwynn

Snowdonia National Park Authority

Cllr Caerwyn Roberts

Snowdonia National Park Authority

Mr Keith O'Brien

Snowdonia National Park Authority

Observers

Mr Elfyn Llwyd	Member of Parliament
Mr John Morgan	North Wales Fire and Rescue Service
Mr Osian Roberts	Wales Ambulance Service
Mr E Jones	Farmers' Union of Wales
Mr Alan Staniforth	UK Nuclear Restoration
Ms Gemma Roberts	Welsh Water
Mr Daniel Gregory	Office for Nuclear Regulation
Mr Gwynfor Owen	Translation
Miss Elen Williams	Minutes

1. Apologies for absence

Lord Dafydd Elis-Thomas	National Assembly for Wales
Dr John Idris Jones	Snowdonia Enterprise Zone
Mrs Gwen Pettifor	WI
Mr Terry Williams	Cwmni Seren Ffestiniog Cyf
Mr Gwyn Lewis	Prysor Angling
Mrs Shirley Hughes	Gwynedd Council
Mr Dafydd Jarrett	NFU Cymru
Mr Aled Sturkey	Snowdonia National Park Authority

The Chairman welcomed everyone to the meeting. It was noted that Aled Sturkey had retired and that he therefore wouldn't be attending the SSG meetings in the future, however he wanted to wish the SSG all the best for the future. The Chairman expressed his thanks to Aled Sturkey for his contribution to the group. The Chairman also wished to welcome a few new faces to the meeting, including Brian Hughes, Hub Director for Magnox, Pippa Waterman, Hub Communications Officer, Aimee Kentish, Magnox Communications Manager, and Daniel Gregory from the Health and Safety Executive. He also welcomed Alan Staniforth from the UK Nuclear Restoration (AMEC/Atkins Partnership) as an observer.

2. Approve the minutes of the meeting held on 10 December 2012

The minutes were proposed as a true record of the proceedings by Idwal Williams, and the rest of the members were in agreement.

3. Matters arising from the minutes of the meeting held on 10 December 2012

There were no matters arising.

4. Chairman's Address

- 4.1 The Chairman stated that the past six months had been quite busy.
- 4.2 The Magnox Grants Panel had met every month and had been kind to many societies.
- 4.3 On 8th March, a member of communication staff from Berkley (Mr Mark Chevis) had come to see the significant work around the pipeline in Maentwrog. The Chairman had personally expressed that it would be better not to place a lot of trees around the pipeline in future as the same problem would arise again.
- 4.4 On 16th April, a meeting had been held at the site to discuss a few matters.

- 4.5 On 18th April, the NDA had called a meeting in Llandudno to confirm who had reached the short list to run the twelve Magnox sites. The names announced were Reactor Site Solutions (Bechtel, EnergySolutions); The Babcock Fluor Partnership; CAS Restoration Partnership (CH2M Hill, Areva, Serco); and UK Nuclear Restoration Ltd (AMEC/Atkins). The company awarded the contract will operate as the Parent Body Organisation, and it is likely that the decision will be made around March next year. The day was long but productive.
 - 4.6 On 7th May, a meeting had been held between Brian Hughes, Pippa Waterman, Dave Wilson, the Chair and the Vice Chair, where Brian Hughes had explained his work as Hub Director.
 - 4.7 On 6th June, a meeting had been held with the NDA Chairman, Stephen Henwood, the Chief Executive, John Clarke, the Chief Finance Officer, David Batters, Director of Communications, Jon Phillips, and nine executives who had visited Traws. They were very pleased with what they saw and heard on the site.
 - 4.8 The Chairman indicated that Idwal Williams had attended two meetings on his behalf and invited him to say a word or two.
 - 4.9 Idwal Williams noted that he had attended meetings in London and in Llandudno. He had visited London on 30th May, where he had met with the NDA Executive Team.
 - 4.10 He outlined the main issues: competition is the main issue at present; the contract with regards to low level waste in Drigg has come to an end; Cumbria has decided not to proceed with the plans to bury nuclear waste; the generation period for Wylfa has been extended and the Bradwell and Trawsfynydd sites are progressing towards the Care and Maintenance State.
 - 4.11 He stated that the meeting had been a good opportunity to convey the need to proceed with work in order to keep jobs.
 - 4.12 With regards to the national burying of waste, it is likely that there will be a White Paper and a call for evidence. A consultation will take place as well, with the aim of finding somewhere to bury nuclear waste.
 - 4.13 A meeting had been held mid-February to discuss storing waste from Wylfa in Traws, with representatives from Anglesey County Council, Wylfa and the Industry. However it had been decided that this wouldn't happen and it was hoped that other places in the UK will be able to take the waste.
5. Site Director's Report
- 5.1 Mr Dave R Wilson, the Site Director, gave a presentation regarding the safe and compliant delivery into Care and Maintenance state by December 2016 for £441 M (or less).
 - 5.2 With regard to safety, there had been 927 days since the last lost time incident. There had been no incidents in the past year. This is a performance to be proud of, as health and safety is of utmost importance.

- 5.3 The timescale for the Programme was outlined:
Interim Care and Maintenance: 2016 – 2020
Care and Maintenance: 2026 – 2074
- 5.4 Looking at the schedule of 81 months, 38 months have gone by to date and there are 43 months to go. He emphasised that it was important to hit the key milestones.
- 5.5 He explained that the aim is to lead and learn, with lessons being passed on and other sites coming to Traws to learn from us.
- 5.6 He outlined Trawsfynydd's operating plan targets for 2013/14 as follows:
South FED – Completion of major civil works – 12/08/2013
South FED – Completion of active commissioning – 25/03/2014
North FED – Completion of active commissioning – 25/03/2014
RV3 Bulk retrievals completed – 06/11/2013
Main sludge vault bulk retrievals completed – 03/12/2013
Safestore above capping roof strengthening phase 2 Complete – 28/03/2014
Structuring work is well on track, and all of the key targets have been met.
- 5.7 With regards to ILW volume reduction, the levels are coming down.
- 5.8 In reference to the ILW store, different types of containers and drums are kept in there. There are 79 ILW packages in the store. 1876 ILW packages have been produced already and ultimately there will be 2300 in the store.
- 5.9 With regards to Very Low Level Waste, the site was making the best use to dispose of things like asbestos. , the first batch went off site on 18th September 2012 and to date there had been 14 consignments and 1204 drums totalling in 235m³ of waste.
- 5.10 In reference to Ponds North Void, FED has been retrieved from the sludge.
- 5.11 A lot of work has taken place with regards to tanks and vessels. The team had been doing cleaning work and the metals had been taken to be recycled and disposed of.
- 5.12 Looking at Ponds, there is still some scabbling to do, and work is ongoing on the joints, drilling and taking samples.
- 5.13 Abseilers have done a lot of work on the buildings. A lot of scaffolding has been put up, and a lot of strengthening work has been done on the inside as well, all in preparation for Care and Maintenance.
- 5.14 With regards to land quality, workers had been drilling and taking samples to inform optioneering for preparation for entry into Care and Maintenance.
- 5.15 With regard to Socio-Economic matters, the employment figures are as follows:
- | | |
|------------------|-----|
| Total Employment | 967 |
| Staff | 209 |
| Agency/CSW | 143 |
| Contractors | 615 |

(Not all contractors work full-time at the site and contractor numbers fluctuate as projects start and come to an end). It is probable that the site will carry on at this level for the next couple of months.

5.16 In reference to transition and workforce support, interviews had been held with staff and they had received letters informing them of dates etc. The process had made a few individuals think about their future and ensure they have a plan in place. Dave Wilson was confident that more individuals will have a specific plan with regards to the future.

5.17 Looking ahead, the safety performance has been excellent, and the challenges for the future include transition into operational phase of FED retrieval and ILW encapsulation, and providing ongoing support for the workforce.

5.18 To summarise, there was a good plan in place, which is detailed and well understood, the work is getting done, all waste streams are understood, there is ongoing engagement with a wide range of stakeholders, the early engagement work with the Hub has been good, there was a critical supply chain in place, and the safety and environmental performances had been good.

5.19 Questions

- a. It was enquired whether there had been any results following the sampling and monitoring work from the Ponds.

Dave Wilson replied that in terms of structure there were certain processes they were going through. There is one particular joint which appears to be in a bad state, but other parts appear to be clean. They were getting on with work that needed to be done.

- b. Does anyone know the volume of leakages from Ponds over the years, considering the leakages in the 1970s and 1980s for example. On a scale of one to ten, what effect would a leakage have on farmland?

Dave Wilson replied that the matter of leakages is looked at, and that optioneering work was dealing with that. He explained that there are boreholes on the site, which makes it possible to tell if anything is moving. Christina Black further explained that there are 40 operational boreholes, which would pick up on any leakages.

- c. Cllr Meredydd Williams – With regards to sampling and monitoring, how big is the area in question, and is this why the NDA isn't able to say if this land will be available.

Dave Wilson explained that when looking at land that is available and land that is freed up, it is difficult to say.

- d. Cllr Meredydd Williams – You know how much land you need, so the NDA knows what land is available for the Enterprise Zone.

Dave Wilson explained that there are different stages. There is land that is specifically needed for decommissioning.

Cllr Meredydd Williams again stated that this matter had been discussed for about 6 years, and hopefully something would be done now.

- e. Cllr John Richards – Can you expand on what Idwal Williams said about asking the Treasury for funding?

Dave Wilson explained that the NDA will go through spending reviews again. He was confident that the money was there for decommissioning, but of course no one can predict the future. However, there was a lot of momentum, and the contracts and supply chain were in place. Idwal Williams emphasised that the money would be for acceleration.

- f. Cllr John Richards – As the work on FED is coming to an end, when will the work of removing the FED be commencing?

Dave Wilson explained that, ideally, the work would begin next January, but it is likely that it will be nearer to March.

- g. Cllr Meredydd Williams – Will any contamination of Ponds affect the decision to demolish in 2016?

Dave Wilson replied that the plan is of course to knock down the Ponds complex, but what to do with the underground part is up for discussion, and is an on-going debate.

- h. Cllr John Richards – As we are still on the subject of Ponds, how much of the scabbling work has been done?

Dave Wilson replied that around 70% of the work had been completed. Scabbling is being prioritised at present, but there are still a few areas left.

- i. Cllr Tom Ellis – With regards to the ILW store, 1700 drums have been put in at present, and 2300 will have been placed there by the end, how much space will be left in the ILW store by then?

Dave Wilson replied that there wouldn't be much room left, and following discussions about storing waste from elsewhere etc, it was felt that it wouldn't be ideal to bring in different types of waste into the store at Traws.

- j. Cllr Tom Ellis – Coming back to the issue of height reduction, wouldn't it be better to work on height reduction than concentrating on maintenance and making improvements?

Dave Wilson explained that they had to keep the building in good condition. He explained the logic behind deferring the height reduction work, stating that Magnox had put together a proposal, and that after work had been completed in Traws in 2016, funds would be deferred into Sizewell for other purposes, with the intention of returning to complete height reduction work in Traws in 2020.

- 5.20 The Chairman invited Elfyn Llwyd MP to say a word or two, thanking him for attending the meeting.

- 5.21 Elfyn Llwyd MP was very glad to hear the report that work was progressing in Trawsfynydd, which shows that the site is rising to the work – work that can be very difficult and dangerous at times. With regards to the point made by Cllr Tom Ellis, he indicated that he was not happy with the intention to leave the work on site reduction in 2016, whatever the position of others may be. He expressed that reducing the height of the roof was part of the reason local people had agreed to this. There wasn't mention of an idle period before that work took place. He was eager for the decision to be reconsidered in order to keep skills on the site and for the benefit of the economy, and that it was important for the site to show the public it was keeping its word.
- 5.22 Dave Wilson replied that with regards to height reduction they had gone through the planning process. He stated that they had a plan to deliver and that they were doing their very best to do so. However he indicated that it had been made clear at the SSG meeting that people want this to be done, and the feeling had been conveyed very clearly.
- 5.23 David Edwards, Lead Programme Manager for Magnox, explained that when the review took place, the decommissioning process had been brought back 5 years. The intention was for the £90 million to go towards dealing with hazard reduction in other sites. Money is limited and there are continuous challenges. The NDA had heard the message loud and clear, and the matter would be looked at. He noted that there may be opportunities, but challenges as well, and that it wasn't possible to guarantee what happens at other sites.
- 5.24 Elfyn Llwyd MP expressed his thanks for the answers. The Chairman also noted that there may be a difference in this matter this time next year and that it was important not to be disheartened and to do a lot of lobbying on the matter.
6. Report by the Emergency Planning Consultative Committee
- 6.1 Robin Phillips gave a report on the relevant agenda items from the Emergency Planning Consultative Committee held on 12th March 2013.
- 6.2 With regards to Site Emergency Arrangements, there had been no significant changes in the site's emergency arrangements since the last SSG meeting, and the Site Emergency Arrangements had not been activated since the previous SSG meeting either.
- 6.3 The biggest piece of news was that Magnox, as part of the planning for the site to enter care and maintenance, had decided to withdraw Trawsfynydd as a responding site for RADSAFE and NAIR with effect from the end of 2013.
- 6.4 In reference to Emergency Scheme Staff, three new off-site survey drivers had been trained and had joined the scheme in February following an internal recruitment process.
- 6.5 With regards to training and exercises, the annual programme of exercises had commenced in October 2012 and was on-going, and the demonstration exercise to the ONR would be taking place on 26th June 2013. A successful full site muster had been included in the emergency exercise in October, confirming the ability to effectively muster the increased site population.

6.6 The scheme remains fully manned, but looking forward into the future, the scheme will naturally run down. However, at present, everything remains as it was, with no changes.

7. Report by the Nuclear Installation Inspectorate

7.1 Daniel Gregory explained that following some reorganisation Chris Kemp was now working with two sites and that he had taken over this duty.

7.2 The necessary information had been provided in the information packs.

8. Report by the Environment Agency

8.1 The Chairman noted that there had been a change in the system, and that Environment Agency Wales by now had merged with the Countryside Council for Wales and Forestry Commission Wales to become Natural Resources Wales. He explained that no contact had been received from the body, but believed that it was still coming to visit the site. He also indicated that the Group did wish for a representative to be present as the Agency does look after our interests.

9. Report by the Nuclear Decommissioning Authority

9.1 Jonathan Jenkin had sent his apologies and the item was covered by David Edwards.

9.2 The consultation deadline had been extended for stakeholders to share their views on development options for ILW storage and FED treatment. Two NDA Strategy Papers have been published recently – one looks at the number and location of ILW storage facilities for Magnox sites and existing EDF Energy sites in England and Wales and the second focuses on FED treatment facilities on Magnox sites. Each paper outlines a small number of credible options in line with the NDA's 2011 Strategy, which states that centralised and multi-use approaches should be considered where possible. Apart from being part of the NDA Strategy, there are opportunities to segregate waste to reduce ILW waste that needs to go into yellow boxes and into stores. As previously mentioned, the Traws store is different, but as credible options, Traws and Wylfa have been left out of the strategy paper.

9.3 With regards to competition, four bidding consortiums are going through the process at present, visiting sites etc. It is important that the bidders have our opinion and see the people and areas involved. The bids will then be assessed and evaluated.

9.4 The Supply Chain Event has moved to a bigger venue following last year's event in Bolton, and will be held at EventCity in Manchester on 13 November. As always it will be an opportunity to make people aware of opportunities.

9.5 The NDA has published its 2013-16 Business Plan which outlines delivery priorities for the period. A total of £3.2 billion will be spent on cleaning up the nuclear legacy during the next financial year, with 55% allocated to hazard reduction at Sellafield being the top priority.

- 9.6 The international consortium for UK Nuclear Waste Management has been awarded another five year term to manage LLW Repository Ltd. This follows the successful implementation and delivery of key commitments since the NDA awarded the contract in 2008.
- 9.7 It was also emphasised that money is being made available for ideas to further decommissioning.
- 9.8 Rory Trappe enquired what the funds for further development and decommissioning would involve, to which David Edwards replied that it involved looking at ideas people have, considering that safestores would be left for a couple of years, and that any ideas as to development and use would be welcomed.
10. Care and Maintenance at Trawsfynydd Site
- 10.1 Brian Hughes introduced himself as Hub Director and stated that he was at the meeting to show the group how the site will look and how it will be managed in the future. The site team were looking at physical aspects with the aim of getting to a point where it would be possible to see how things will look in the future.
- 10.2 The aim is to get 10 sites into a state of passive safety as far as possible. The model being looked at is a 'box model', with buildings being managed with fencing around them. Those buildings would include the safestores and any additional buildings, such as Ponds.
- 10.3 He emphasised that all sites would be safe and secure and would comply with regulatory requirements.
- 10.4 He explained what would happen on the site, which included: Remote management through a small off-site Central Hub; minimal site access with planned regular maintenance regimes (yearly, five years, ad hoc etc); officers would return to the site every five years to do checks; ongoing maintenance would be looked at every year (following adverse weather etc). The exact details were yet to be confirmed, and there was a lot of interaction work to do with regulators.
- 10.5 Traws will be the second site to go through the process (in 2016), Bradwell being the first in 2015, and Chaplecross being the last in 2028.
- 10.6 He explained that there would be a Hub Team, including a Hub Director (himself), and Environment/Waste, Infrastructure, Procurement and Communication staff, and local people would be employed as well.
- 10.7 The Chairman stressed that this was the beginning and there was a lot of work to be done to ensure safety. He invited any questions.
- 10.8 Questions
- a. Cllr John Richards – Looking at liability, nobody seems to be accountable. Brian Hughes replied that he was the accountable individual. He explained that the NDA are there and that the liability remains as it is today. He emphasised that this was the strategy for management. Cllr John Richards replied that looking in general, it appeared that contractors would be taking on liability as well.

- b. This is obviously an arm's length arrangement. Are there any arrangements for stakeholders during this period?

Brian Hughes stressed that local dialogue needs to be open and that there was a moral responsibility to do so, and this hadn't been forgotten.

- c. Rory Trappe – You have mentioned 'local' companies being used. How do you classify 'local'?

Even though the direct answer is not known, the site has a specific response time. In terms of security, this means the radius. Someone needs to be in a certain radius – a key holder for example needs to be within a particular distance. With regards to maintenance work etc, for example cutting grass, it makes sense to keep things local, and that is the general sense of thinking.

- d. John Richards – We have had these discussions previously, that all alarms will be going to a central station, and that North Wales Police will respond and come to the site.

Having been in touch with ONR, in terms of monitoring, this had been confirmed to be an acceptable regulatory position. A response such as this would be acceptable – we have to rely on the Police to get people off the site etc.

- e. Cllr Caerwyn Roberts – My main concern is that the timescale has gone back. Traws is unique as it is the only power station from the 10 which is located in a National Park, using water from the lake to cool the reactors. It is also in the countryside. The main aim of the National Park under the Environment Act 1996 is to protect and enhance the environment. Tourism should also be considered. It was important to take advantage of this to bring the timeline forward. If this doesn't happen, it will lead to a loss of faith.

10.9 The Chairman stated that close discussions are taking place at present. By today, new opinions and feelings are coming to light. There is a general feeling in the nuclear field that we would be able to proceed with the work. At one time, the picture for Wylfa was very unclear, but by today it appears as if Wylfa will be staying. We must push forward to try and ensure that the work is done and completed. We must not give up, things do change.

10.10 He also asked Brian to keep in touch with the group so at least it would be kept informed.

11. Magnox socio-economic update

11.1 Michelle Humphreys gave an update on socio-economic matters.

11.2 She stressed that the purpose of the socio-economic scheme was to be a good neighbour.

11.3 31 applications had been approved in the Trawsfynydd area over the past year, which came to a total of £464,388 altogether. This was out of a total of £822,748 of investment in local communities in other Magnox Site areas across the UK.

- 11.4 This has proved that the web portal has been a success and has eliminated any concerns about it.
- 11.5 Michelle Humphreys outlined a couple of the projects the scheme has helped in the area over the year. These included small projects such as the Clucking Hens project in Ysgol y Gorlan, Tremadog, which was awarded £1000, larger projects such as Egin Cegin in Botwnnog, which was awarded £9999, and even larger contributions such as £360,000 for Coleg Meirion Dwyfor to equip the new Engineering and Built Environment Skills Centre on the Marian Mawr Industrial Estate in Dolgellau. She also reminded the group that funds had been given to the Urdd Eisteddfod held last year at Glynllifon, and to the North Wales Outdoor Partnership.

12. Any other business

Update on the Enterprise Zone by Nia Swann Bowden

- 12.1 The Chairman introduced Nia Swann Bowden to share the latest information about the Enterprise Zone.
- 12.2 Nia Swann Bowden wished to emphasise that she and the team were also lobbying hard to proceed with the decommissioning process, not only because of the business case, but because of the social side as well, and to keep employment in the area.
- 12.3 She explained that work was taking place on the lake, looking at recreation activities etc.
- 12.4 Work was also being done to look at developments for the future, with consideration being given to what Traws has to offer and which industries are likely to offer opportunities, as this will provide a better idea with regards to how to market the zone. Whatever happens on the site, the Enterprise Zone will provide the opportunity to go to the Minister for Economy, Science and Transport Edwina Hart.
- 12.5 She emphasised if the group had any ideas or input, she would be more than happy to include them in the discussion.

12.6 Questions

- a. Cllr Meredydd Williams – Do you know the location of the land that is available?

Nia Swann Bowden explained that once they knew what they wanted it would then be possible to see what land is available.

- b. Cllr Meredydd Williams – Dave Wilson has stated what is needed, and the NDA know as well, do you know what is available now?

Nia Swann Bowden replied that they had taken the time that was needed, and that one had to consider they were asking for millions of pounds of investment. She accepted that it appeared as if things were moving very slowly, but stressed that there is a lot of work involved.

- c. Cllr Meredydd Williams – On Saturday night, Dafydd Iwan said on the radio that there were rumours about Traws concerning waste, and that people were walking away. Have you seen examples of this?

Nia Swann Bowden emphasised that they had not come across this and there was no basis for the rumour.

- d. Cllr Meredydd Williams enquired if it would be possible to see the minutes of their meetings. He also noted his disappointment that there was no representation from Gwynedd Council.

Nia Swann Bowden replied that she wasn't sure if the minutes were confidential or not. She explained that every member is invited by the Minister, and that they are meant to be boards of experts. This wasn't within her control. The Chairman also noted that the appointments to the Board had already been made, and only those who were nominated are allowed to be members. Once everything is in place the representation will change.

- e. Cllr Meredydd Williams – How long will the Enterprise Zone run for?
Nia Swann Bowden replied that it will exist until 2015, but work will not come to an end at that time. By 2015, the decisions will have been made and the conclusions will have been reached, and at that time the board will come to an end.

Update on Horizon Nuclear Power and plans for a replacement nuclear power station at Wylfa Site – Richard Foxhall, Stakeholder Relations Manager

- 12.7 The Chairman invited Richard Foxhall to talk about the latest news from Wylfa.
- 12.8 Richard Foxhall noted that this time last year Horizon Nuclear Power wasn't in a very good position, however there had been developments during the last 6 months and it had been a very exciting time.
- 12.9 He reminded the Group that Horizon was formed in January 2009 as a joint venture between E.ON UK and RWE npower. On 29th March 2012, E.ON and RWE announced their intention to withdraw from the UK nuclear programme, and Horizon was put up for sale. On October 30th 2012 Hitachi announced an agreement to purchase Horizon, and on 23rd November, the funds had been transferred from Hitachi to ensure the purchase.
- 12.10 Richard Foxhall briefly explained ABWR technology. The Hitachi Advanced Boiling Water Reactor (ABWR) will be used at both Wylfa and Oldbury. This is the only advanced (generation 3+) reactor that is operational anywhere in the world. All four operational ABWR units have been completed to time and cost, with the latest unit being completed in 37 months. ABWR is already licenced in Japan, Taiwan and the USA. Hitachi-GE Nuclear Energy (HGNE) intend to put the ABWR forward for Generic Design Assessment approval, and early development and consenting activities will run in parallel with this.
- 12.11 Horizon will be the site developer, owner and future operator for Wylfa and Oldbury, whereas Hitachi is the sole shareholder. HGNE will be the technology provider and delivery team leader. Hitachi has made it clear that partners will need to be brought in for the construction work, and Memorandums of

Association have been signed with Rolls Royce and Babcock International Group to provide engineering support.

- 12.12 Richard Foxhall explained that the construction style is different to that in Europe and that he wasn't able to give an exact timescale. It will take some time to prepare the supply chain. With regards to strategy and programme, the proposal is to develop either two or three reactors at each site, with the first unit expected to be operating in the first half of the 2020's.
- 12.13 Richard Foxhall showed an outline of how the site may look with three reactors. He emphasised that a lot of work needs to be done, especially with regards to the roads and traffic. Work will have to be done on the road between Valley and Cemaes, and arrangements will have to be made for park and ride services for the workers. The flow of traffic will have to be looked at as well, eg people will be allocated different times to come on site. A Visitors' Centre will also be needed.
- 12.14 The draft timescale can be seen on the website, but in general, the first phase of formal public consultation is expected to take place in 2014, with the hope that the site licence will be granted in 2018 and permission to start construction granted in 2019. However many factors may influence this timescale.
- 12.15 Horizon is working with the supply chain to see what the scope will be for the work. The first Supply Chain Event had been held in Llandudno and it was a big event. He stated that safety and the environment are extremely important, and suppliers must be competitive and able to meet timescales. There will also be a need to invest in skills. Horizon always responds positively to requests from the education sector, and continues to work proactively with Coleg Menai and Bangor University. A formal education engagement strategy is being developed.
- 12.16 The Chairman thanked Richard Foxhall and noted that he was very glad that the development was going ahead.

Competition

- 12.17 Having welcomed Alan Staniforth from the UK Nuclear Restoration (AMEC/Atkins Partnership) as an observer at the beginning of the meeting, the Chairman expressed that it would have been good to see the four companies at the meeting together. Alan Staniforth thanked the Chairman for his acknowledgement. He expressed that it was very important to experience local feelings and thanked him for allowing him to come to the meeting.

13. Date and time of next meeting

The Chairman thanked everyone for their contributions, and thanked Ian Edwards for his support over the months in between meetings.

The next meeting will be held on Monday 2nd December 2013.