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### MINUTES OF THE NUCLEAR SAFETY ADVISORY COMMITTEE (NUSAC) MAIN MEETING HELD ON THURSDAY, 13 OCTOBER 2005 AT 0900 HOURS AT THE MAITLANDFIELD COUNTRY HOUSE HOTEL, HADDINGTON, EAST LoTHIAN

|                   |   |                   |
|-------------------|---|-------------------|
| Chairman:         | Mr Steve Vbranch                            |                   |
| Members:          | Mrs Sheila Ashford                          |                   |
|                   | Mr John Billard                             |                   |
|                   | Prof Robin Bloomfield                       |                   |
|                   | Mr Andrew Clarke                            |                   |
|                   | Mr Barry Cripwell                           |                   |
|                   | Dr Paul Haigh                               |                   |
|                   | Mr Bill Heafield                            |                   |
|                   | Mr Steve Napier                             |                   |
|                   | Dr Rod McKenzie                             |                   |
|                   | Dr Jim Whiston                              |                   |
|                   | HM Chief Inspector of Nuclear Installations | Dr Mike Weightman |
| Observers:        | Ms Pauline MacDonald                        | AWE               |
|                   | Dr John Crofts                              | UKAEA             |
|                   | Mr Peter Webster                            | British Energy    |
|                   | Mrs Mary Morrey                             | HPA               |
|                   | Cmdre Andrew MacFarlane                     | MoD               |
|                   | Ms Anne Anderson                            | SEPA              |
|                   | Ms Louise Robson                            | DTI               |
|                   | Mr Laurence Williams                        | NDA               |
|                   | Mr Bobby Ronnie                             | SE                |
|                   | Mr Alan Brandwood                           | Magnox Electric   |
|                   | Mr Anthony Webb                             | GE Healthcare     |
|                   | Mr David Mason                              | BNG               |
|                   | Secretariat:                                | Mr Colin Potter   |
| Mrs Joyce Boorman |   | Secretariat       |
| Mrs Alma Edwards  |   | Secretariat       |

|       |   |  |
|-------|---|--|
| HSE   | - | Health and Safety Executive            |
| AWE   | - | Atomic Weapons Establishment           |
| UKAEA | - | United Kingdom Atomic Energy Authority |
| HPA   | - | Health Protection Agency               |
| MoD   | - | Ministry of Defence                    |
| SEPA  | - | Scottish Executive Protection Agency   |
| DTI   | - | Department of Trade and Industry       |
| NDA   | - | Nuclear Decommissioning Authority      |
| SEPA  | - | Scottish Executive Protection Agency   |
| BNG   | - | British Nuclear Group                  |

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## **Item 1: Welcome, Introduction and Apologies**

- 1.1 Apologies were received from NuSAC members Neville Moray, Wynne Davies, Bryan Edmondson, Susan Parry, Sue Cox, John Knott and David Owens.
- 1.2 Apologies were received from Joe McHugh, EA, Andrew Clark, DML, Richard Mayson, BNFL and Angela Jenkins, AWE.
- 1.3 Steve Vbranch welcomed Pauline MacDonald representing Angela Jenkins, AWE, and Anne Anderson, SEPA. Steve Vbranch thanked Observers for travelling so far to attend the meeting.
- 1.4 He informed the meeting of Susan Parry's absence due to illness. The Committee wished her a speedy recovery.

## **2. Item 2: Minutes of the meeting held on 14 July 2005**

- 2.1 The minutes were accepted as a true record and approved.

## **3. Item 3: Actions arising**

- 3.1 **Action 8/2/2005 – Observers to feedback comments on the new format of the Main meeting to the Secretariat by 12 August 2005.**  
Action Cleared. Comments received – in general the new format was acceptable and useful. It was thought better to have a fuller agenda, with more presentations and open debate. Reducing the amount of time spent on discussion of NuSAC Review Group work was seen as a significant improvement.
- 3.2 **Action 9/2/2005: BNFL to update NuSAC on the Thorp incident.**  
David Mason reported that two reviews had taken place – one looking at the Thorp incident and the other looking more generally at other recent incidents. He felt that in responding to NII's Team Inspection in 2000, BNFL had not taken it on from system and procedures – onto behaviours, and it is the importance of staff behaviours that has emerged from the recent BNFL reviews. A site-wide improvement plan was in place to reinforce leadership, focus on nuclear safety, and drive for excellence. A WANO specialist had been brought in to coach managers and to help steer the organisation towards world-class operation. He hoped to report more fully at the February 2006 meeting.  
**(Action outstanding): BNFL to prepare a paper for a future meeting about what actions have been taken at Sellafield following the Thorp accident.**

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- 3.3 **Action 10/2/2005: DTI and NDA to prepare a paper on the new terminology of contractors and their responsibilities.** Action outstanding. A paper is scheduled for February 2006.
- 3.4 **Action 11/2/2005: BNG to present and update paper on the management of contractors at Sellafield at the July 2006 meeting.** Action cleared. Paper included in NuSAC Work Plan.
- 3.5 **Action 12/2/2005: RG4 to meet with MoD to discuss defence nuclear emergency response issues, notably the role of the Military Co-ordinating Authority (MCA), and other topics.** Action cleared. A meeting was held on 29 September 2005.
- 3.6 **Action 13/2/2005: RG2 to present a follow-up paper on PCM processes at Sellafield, Dounreay, Harwell and AWE.** Action cleared. Paper to be presented at October 2005 Main meeting.
- 3.7 **Action 14/2/2005: OCNS to notify the NuSAC Secretariat when OCNS 2004/2005 Annual report was published.** Action cleared. Information received from OCNS and passed to NuSAC members on 27 July 2005.
- 3.8 **Action 15/2/2005: RG1 to meet with Roy Anderson, BE.** Action outstanding.

### Outstanding Actions from NuSAC Main meeting held on Thursday 17 March 2005

- 3.9 **Action 13/1/2005: NuSAC to ask the NDA to explain their policy on contractors' Best Practice and Action 14/1/2005: NuSAC to address with the NDA the planning processes which licensees have to undertake on its behalf.** Actions 13/1/2005 and 14/1/2005 were cleared at a meeting held with Laurence Williams, NDA, on 19 September 2005.
- 3.10 **Action 15/1/2005: Louise Robson, DTI, to follow-up letter sent to Peter Waller with additional questions about the NDA.** Action Outstanding. Louise Robson commented that she understood some work had been undertaken by DTI and NDA to gather the required information and this would be presented at a future meeting. She suggested that a meeting between the Chair and DTI officials might be a useful way of clarifying exactly what NuSAC was seeking and this was agreed.
- 3.11 **New Action: 7/3/2005: NuSAC Secretariat to liase with DTI to arrange a meeting between NuSAC Chair and DTI officials.**
- 3.12 **Action 16/1/2005: NuSAC to initially write to 'nuclear' HSC Commissioners with NuSAC's views on various issues with the aim to**

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**give them a better understanding.** Action cleared. Discussion at HSC meeting held on 11 October 2005.

- 3.13 Action 17/1/2005: NuSAC Secretariat to investigate the possibility of dialogue with HSE's Shipbuilding and Shiprepairing Health and Safety Consultative Committee to discuss conventional safety record.** Action cleared. RG1 has been in communication with the HSE Consultative Committee.

### **Outstanding Actions from July 2004 Main Meeting**

**3.14 Action 82/2/15: NII to consult NuSAC on revision to site Licence Conditions.** Outstanding. The CI NII reported at the November 2004 meeting that NuSAC would be consulted. The consultation has not taken place yet. HSE received additional legal advice in December 2004 about the Licence Conditions covering 'users' of the sites as well as the licensee. NII is revisiting the exercise before consultation. The formation of the NDA in April 2005 caused a number of site licences to have been amended. It is not known when this work will be completed because of other work given higher priority.

**3.15 Action 82/2/17: NII to consult with NuSAC (via RG1) before wider consultation is undertaken on the revision of the SAPs.** Outstanding. A meeting on SAPs takes place on 22 November 2005 in Runcorn. Two places are allocated to NuSAC. Appropriate RGs will be consulted on various sections to the revised SAPs. A final paper is scheduled for the February 2006 meeting.

### **Item 4: Update on HSE's policy (Paper NuSAC(2005)P13) and Operational Issues (Paper NuSAC(2005)P14) and wider issues**

4.1 Colin Potter and Mike Weightman presented this item.

4.2 Colin Potter presented the paper 'Policy Update briefing for NuSAC meeting: October 2005 (NuSAC(2005)P13) which included updates on:

- (i) Delicensing Policy Statement – published 15 August 2005
- (ii) Low-level Waste Policy – a workshop organised by Defra held on 6 October at which NuSAC was represented. Work is being taken forward.
- (iii) Proposed amendments to the Nuclear Reactors (Environmental Impact Assessment for Decommissioning) Regulations (EIADR99). Minor amendments to the Regulations. Consultation to close at the end of October 2005.
- (iv) NDA –The HSE will be providing a substantial response to the NDA's Consultation Strategy Document. Policy Group and NSD met with the NDA to discuss emerging views and ensure that everyone had a common understanding of the key issues. NuSAC will be commenting independently through the HSC.

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- (v) NDA Competition Timetable and Procedures - Preliminary discussions took place with the NDA at policy and operational level. NDA has been made aware of HSE's initial views on the implications of achieving the very demanding timetable.
- (vi) Thorp. The Irish Government is very interested in the Thorp event. The NSD and the EA gave representatives from Ireland's Oireachtas Joint Committee on the Environment and Local Government reassurances about the recovery process and the ongoing safety of the plant.

4.3 Mike Weightman, Chief Inspector NII presented the paper 'Report from NII for the meeting to be held 11-13 October 2005' (NuSAC(2005)P14). He commented on various items from the report and including the following:

- Spillage incident in the Cementation Plant at Dounreay
- EIADR Consent to Chapelcross to go ahead with Decommissioning
- Sizewell B first PSR following 10 years of operation.

4.4 Mike Weightman gave a presentation on some factors involved in regulating the industry. These include:

- Responding to the increasing amount of change in the industry
- Fragmentation of licensees and ageing plant and facilities
- Changes in societal expectations
- He introduced the concept of 'Regulatory leverage': NSD can regulate licensees Processes, Plant operations, and Structures, but cannot regulate safety culture and vision, but can influence changes in these.

4.5 Mike Weightman gave some views on how he thought HSE might tackle a 'new build' programme. He explained that although there had been some thought given to this, NSD would not be doing work in this area until asked by the Government to do so. He outlined a model of a three-stage phased approach:

- Phase 1 – regulatory strategy review
- Phase 2 – Prelicensing phase  
Ongoing work e.g. SAPs and generic siting
- Phase 3 – Construction/Commissioning

The 'regulatory risks' posed to any project diminish through the first two phases as the resources committed increase.

4.6 Jim Whiston asked what HSE resource might be needed and whether the expertise already existed in NII. In response Mike Weightman said that the level of resource and expertise needed would clearly be dependent on the design proposed. This issue would be considered in the proposed 'regulatory strategy review'.

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- 4.7 Mary Morrey asked whether there would be a separation of technical and siting aspects. Mike Weightman said that he envisaged a pre-licensing review would consider a 'generic siting envelope', which would envelope a number of potential sites.
- 4.8 Rod McKenzie stated that NuSAC would have to exercise caution on the issue of new build. He noted the difficult political issues surrounding this – and that although there may be signs of support in Westminster, there is far less support in Scotland.
- 4.9 In response to Steve Napier's question on commercial pressures on research, Mike Weightman said that some research capability was outside of regulatory control. He was content that there was a good handle on research with regard to safety and resistance from financial pressure. Mike Weightman said that NII could levy the industry if needed. The bottom line is that the licensees' safety cases must be adequate and underpinned, where needed, by appropriate research.
- 4.10 Laurence Williams, NDA, supported Mike Weightman's stance and said it was important to ensure that research and development organisations were maintained to underpin research.
- 4.11 Steve Vranich said that there was a need to ensure that good people were not lost from research activities and was pleased that the future of research and development was being openly addressed.

### **Item 5: BE's Performance Improvement Programme (PIP) Update (NuSAC(2005)P16)**

- 5.1 As an introduction, Steve Vranich reported that NuSAC had an excellent visit to Torness NPP the previous day and thanked Peter Webster.
- 5.2 Peter Webster, BE, presented the paper. Jim Whiston, RG1, said that BE was to be complimented on progress made on the PIP. NuSAC is content with the work surrounding the Peel Park closure, and looked forward to meeting with Roy Anderson in early 2006 (Action 15/2/2005).
- 5.3 Comments on PIP at BE included:
- (a) Emphasis on human development and training
  - (b) Identification and communication of best practice, so that all operating companies will see parallels
  - (c) Commendation for some of the work being undertaken

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- (d) Mike Weightman said that on his recent visit to Torness NPP improvements could be seen across the plant. The progress achieved at Torness and elsewhere should not be underestimated, but there was a need for continued vigilance. Particularly when people change there must be mechanisms in place to ensure the momentum for improvement is not lost and that leadership continues to provide the right drivers.

### **Item 6: Sellafield Pondwater Activity Update (NuSAC(2005)P17)**

- 6.1 Before the presentation, Alan Brandwood (Magnox Electric) updated the meeting on recent reports of the proposed sale of BNG.
- 6.2 There had been a BNFL Board meeting where discussions had taken place on the best direction to take BNG. BNG itself, is very small. There is around 1000 staff in BNG of which 100 are seconded to BNG Sellafield and Magnox Electric to help with the management of the NDA contracts. NB: 700 of the staff are in BNG Tier 2 business – Project Services. On its own, BNFL had judged that BNG would not be big enough to be able to compete against some of the very large players who are likely to bid for the contracts when they come up for renewal. BNFL had proposed that BNG be sold in the hope that this would be more likely to guarantee the survival of the business and a greater chance of winning the contracts. BNFL had now consulted government but there was no decision yet. Once a decision was made any change process would begin possibly late 2005/early 2006.
- 6.3 David Mason, BNG, presented the paper and provided an update on the pondwater conditions in the Fuel Handling Plant (FHP) at Sellafield. He said that the situation was understood, recovered and under control. Magnox reprocessing throughput had now recovered from low levels in the late 1990's and the recovery of corroded Magnox fuel was progressing well. Worker dose uptake had been controlled. SIXEP discharges are controlled and will continue at similar levels for several years while the legacy fuel is recovered. Further improvements are being pursued.
- 6.4 Bill Heafield noted that this was a good news story and complimented BNG for getting to grips with the situation. He was interested to know whether the mistake of introducing the wrong type of caustic soda was a process failure or a breakdown of safety culture. David Mason responded that he considered the caustic problem to have been a process failure mainly, procurement procedures had been tightened, but also acknowledged that there was a behavioural aspect – staff not having sufficient understanding of the importance of controlling the water chemistry and its consequences for nuclear safety.
- 6.5 Mike Weightman asked if there is a need for a “design authority” on plant such as the pond as staff may not be aware of the safety principles which led to it being designed to operate in certain ways under very specific conditions. David Mason

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confirmed that the company was looking for ways of improving the link to the design authority.

- 6.6 With regard to the Strontium-90 discharges reported in the paper, Bill Heafield asked what had contributed to the increase over the last six months.
- 6.7 Action 8/3/2005: David Mason to let NuSAC know what contributed to the upturn in Strontium-90 discharges from January to July 2005.**
- 6.8 Andrew Clarke said that the plant would need to be operational for at least the next 7 years and would need to maintain throughputs; he asked whether the 2012 deadline for ending Magnox reprocessing was realistic. David Mason confirmed that an annual throughput of over 1000 tonnes was needed, and that the Magnox Operating Plan shows that the company is on track to achieve the 2012 target.
- 6.9 Asked about how the company would ensure that lessons were learned and that mistakes weren't repeated, David Mason commented that maintaining corporate memory was a difficult issue; the onus is on BNG to make sure it remembers. Andrew Clarke commented that it would be a worthwhile investment for the company to adequately document the experience to ensure new staff were made aware of such key events.
- 6.10 Alan Brandwood felt that the Duly Authorised Persons (DAP) and Suitably Qualified and Experienced Persons (SQEP) processes would ensure that such lessons are embedded within the company. In response to a request from Steve Vranck, David Mason agreed to bring a paper to a future meeting.
- 6.11 Action 9/3/2005: BNGSL to report to a future meeting on the maintenance of corporate memory at Sellafield.**

### **Item 7: PCM Processes at Sellafield, Dounreay, Harwell and AWE (NuSAC(2005)P15)**

- 7.1 Bill Heafield, RG2, presented the paper. He thanked contributors for their very helpful inputs. He said that there has been some really good progress. Sellafield, Dounreay, Harwell and Aldermaston showed progress in placing PCM into a "safe and passive" state. However, a co-ordinated plan was needed which covered all four sites. There could be a significant simplification of the conditioning/packaging process if NIREX were to be contracted to the relevant regulator, eg EA, rather than the waste producer.
- 7.2 Steve Vranck noted the need for a coordinated plan of the sites. There was also a need to identify the Government Departments with an interest; for example, DTI has interest in three sites. MoD has interest in a fourth. It was necessary to have discussions with them.

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- 7.3 Mike Weightman said that the Scottish Executive has an interest and makes policy decisions. He outlined the position of Nirex regarding packaging aspects:
- The responsibility is on licensees to provide a safety case and put the case forward for the waste, including NIREX's consideration of the compatibility of the package with repository criteria.
  - NII consult with the relevant environment agency.
  - The environment agencies are examining NIREX's systems and approach.
- 7.4 David Mason noted the very good progress by BNG and was pleased that next year would see the last drum of PCM retrieved from Drigg and brought back to Sellafield. At Sellafield there would be a continuing programme of passively safe waste storage.
- 7.5 John Crofts said that there should be a national strategy of where the waste should go and who should deal with it. Negotiations are ongoing in order to resolve these problems.
- 7.6 Pauline McDonald suggested that perhaps the Nuclear Safety Directors forum could form a study group to address the issue.
- 7.7 Steve Napier said that a coordinated national R&D programme was needed to seek a solution. There was concern about compaction of waste and issues around subsequent retrieval. He commented that the NuSAC SCR might wish to take an interest.
- 7.8 Laurence Williams noted the current review of Government policy on LLW, and commented that there was an urgent need for a Government review of its policy on PCM.
- 7.9 Action 10/3/2005: Colin Potter to raise the matter of a coordinated approach to PCM by Government Departments at the next meeting of the Radioactive Waste Policy Group.**

### **Item 8: Windscale Piles Project Update Report (NuSAC(2005)P18)**

- 8.1 Bill Heafield presented this item. He reported that there had been good progress in developing a decommissioning plan for Pile 1. In discussion with UKAEA, he and Andrew Clarke had been informed that:
- There had been no graphite fire, just localised overheating.
  - There was no risk of criticality.

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- There was no risk of uranium hydride initiating a fire.
- The potential hazards from the previously proposed inert gas recovery method have been avoided.
- The complexity of the decommissioning project had been much reduced.

8.2 Bill Heafield reported that in the discussion UKAEA had identified some issues around the current contracting arrangements – where they felt that they were being ‘piggy in the middle’ between HSE and the NDA. There was also a need for NDA to decide what its strategy for the site was: do they want it to pursue early decommissioning and demolition as for the Magnox sites?

8.3 John Crofts reported that the UKAEA had produced a very good CD, which contained a great deal of information on the piles and recommended it to members. John Crofts offered to supply copies of the CD Rom to all members and observers.

**8.4 Action 11/3/2005: John Crofts to provide NuSAC members with a copy of the CD on history of the Windscale piles.**

8.5 John Crofts noted that in two years time it would be the 50<sup>th</sup> anniversary of the fire and UKAEA was considering an appropriate way to mark the event.

**8.6 Action 12/3/2005: RG2 to consider whether there should be a further update Paper on the project for the July 2007 meeting.**

8.7 Mike Weightman commented that he was pleased to note the good news reported by UKAEA about the pile conditions, but that NII were still assessing the safety case.

### **Item 9: NDA Close Out Report**

9.1 Jim Whiston presented this item. A meeting had been held on 19 September with Laurence Williams, NDA, and NuSAC members Wynne Davies, Paul Haigh and Steve Vranck. Discussion topics included:

- Safety Metrics
- The pressures on key managers of the NDA, licensees and NII
- Need for NDA to have key necessary disciplines for contract management.

**9.2 Action 13/3/2005: RG1 to meet to discuss NDA Safety Metrics (in readiness for meeting arranged for 28 November 2005, which Jim Whiston will attend).**

9.3 Jim Whiston reported that it was agreed that representatives of NuSAC would meet with the NDA on a regular basis.

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- 9.4 Action 14/3/2005: Laurence Williams to meet with NuSAC members on a regular basis and as the need arose to give an update on the activities of the NDA.**
- 9.5 Laurence Williams said that until the contracting strategy is finalised by the Secretary of State, it remains a proposal. The closing date for comments is 11 November. After that date, and if necessary, the strategy would be revised. He said that the safety metrics were to measure safety performance; NDA were also developing metrics for Tier 1 contractors.
- 9.6 The NDA has prepared a Health, Security and Environment Policy document and Laurence Williams invited NuSAC to comment.
- 9.7 Action 15/3/2005: Laurence Williams to send a copy of the Health, Security and Environment Policy document to NuSAC Chair for comment.**
- 9.8 In response to a question about NII staff loss to the NDA, Mike Weightman said that a number of highly valuable and experienced staff had gone to the NDA. Although regrettable, market forces prevailed. NII resources were already stretched and there is a risk that NII staff shortages could be a limiting factor in NDA's competition programme, but work was in hand to address this matter.
- 9.9 Jim Whiston said that the limited technical expertise in the UK industry and the speed of change increased the risk of accidents. An inventory of the available technical resources would be useful. Andrew MacFarlane suggested that NuSAC could liaise with the Sector Skills Council (COGENT) about this. Laurence Williams reported that the Energy Act puts an action on the NDA to ensure adequate skills are maintained for dealing with the nuclear legacy.
- 9.10 Action 16/3/2005: Laurence Williams to arrange for the NDA to give a presentation to NuSAC members on maintaining the skills base.**
- 9.11 Rod McKenzie and Andrew Clarke asked if Laurence Williams could let NuSAC have a note on the responsibilities of his Department.
- 9.12 Action 17/3/2005: Laurence Williams let NuSAC have a note on the remit of his team.**

### **Item 10: Matters that the Sub-Committee on Research and Review Groups may wish to raise with Licensees or Observers**

- 10.1 SCR: Paul Haigh reported in Neville Moray's absence. At the last meeting of the SCR held on 27 September, the following topics were discussed:
- Appropriate structure to coordinate research in the future
  - Interaction with the NDA Research Board
  - Refreshing membership of the SCR

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- Reviewing the role of the SCR, its workings and reporting route
- Proposed National Laboratory and Archives

10.2 RG1: Jim Whiston reported that Robin Bloomfield had been appointed to RG1.

10.3 RG1 had visited GE Healthcare on 6 September. Discussions took place on:

- GE Group Policy
- Safety Management arrangements
- Guidelines
- Standards
- Procedures
- Working with overseas owners – US v. UK

10.4 Jim Whiston reported that Anthony Webb would be presenting a paper on GE Group Policy and Safety Management at the February 2006 meeting. (This is on the NuSAC Work Plan.)

10.5 RG2: Bill Heafield said that an update paper on the management of Active Liquors at Sellafield would be put to NuSAC's February 2006 meeting.

10.6 RG3: Andrew Clarke reported that NuSAC would be commenting shortly on the NDA Strategy CD.

10.7 RG4: Barry Cripwell, RG4 reported the following:

- Scottish Executive paper which discussed the lack of co-ordination between the NEPLG work and the work being undertaken with regard to the CBRN response.
- Proportionality of the response to hazards on site – NII's paper to the NEPLG describing the reduction of the emergency response arrangements as sites moved through decommissioning had been well received. NuSAC was very supportive of this initiative.

10.8 Barry Cripwell and Sheila Ashford had had a very open and frank discussion with Andrew MacFarlane (MoD) and Robbie Gray (NII) on emergency arrangements at defence sites. Andrew MacFarlane commented that there was a need for greater coherence of strategy for responding to military events – in particular MoD needed to consider the linkage between the Nuclear Accident Response (NAR) and CBRN response mechanisms.

10.9 RG5: Steve Napier reported that a paper on decommissioning and radioactive waste strategy at defence sites would be presented at the February 2006 meeting (on NuSAC Work Plan).

10.10 DNSC Chair, Dr Sam Harbison and Steve Vbranch had a meeting in August. Arising out of that meeting, it is hoped that NuSAC's residential meeting and visit

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for 2006 would be to HMS Sultan, Portsmouth, to look at MoD's nuclear training and education.

10.11 Steve Vbranch thanked the Review Groups for their work.

### **Item 11: Any Other Business**

11.1 Recruitment of new members to NuSAC: The vacancies are to be advertised openly. The secretariat was aiming to issue the advertisement(s) by the end of November. As well as advertising in the press, notices would be circulated to a wide network of contacts, and would be posted on HSC/E's and civil service recruitment websites.

**11.2 Action 18/3/2005: NuSAC Secretariat to send a copy of the advertisement for new members to NuSAC observers.**

11.3 NuSAC reconstitution: Colin Potter reported on the meeting with the Health and Safety Commission (HSC) held on 11 October on the reconstitution of the Committee and the Commission's approval of the Work Plan. He said that the Commission had approved the reconstitution of the Committee for a further 3 years and had agreed the work plan – which should be considered as a “living document”; NuSAC had to retain the flexibility to be reactive to key issues as they arise. Also, NuSAC Secretariat would be working with the HSC Secretariat to better engage the Commissioners in NuSAC's work.

11.4 Dounreay Cementation Plant Incident: John Crofts reported that the UKAEA had carried out an investigation and will publish its report. NII had also investigated. The event had been given an INES 1 rating.

### **Item 12: Date of next meeting**

12.1 The next Main meeting will be held on Thursday, 23 February 2006 in Rose Court, London.