



Hinkley Point A Site End State

Final Report

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Site Stakeholder Group

Site End State Report

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1 EXECUTIVE SUMMARY

- 1.1 This report has been prepared on behalf of the Site Stakeholder Group (SSG)
- 1.2 The report provides an overview of the process undertaken to determine the end state for the Hinkley Point A Decommissioning Site.
- 1.3 This is followed by providing a summary of the results that have been collated from the responses provided by those who completed an end use questionnaire.
- 1.4 The results from the public consultation provided the SSG sub group with information to enable them to make a proposal to the full SSG, determining acceptable end use(s) and thus end state for the Hinkley Point A site. The output from this process informs British Nuclear Group to enable a feasibility study for the end state(s) to be developed that will match the identified end uses.

2 INTRODUCTION

2.1 Definition of the End State of a site is the physical condition of the site at the point at which the Nuclear Decommissioning Authority has finished its business. The NDA objective is to have an agreed end state for each of the 20 NDA sites which is underpinned and has local stakeholder input/buy in for the next phase of the NDA Strategy.

2.2 The NDA drivers for the review included a need to assemble a more flexible range of options in support of decommissioning policy reviews and to enable a clearer focus on socio-economic support.

2.3 The End Use is the use (or set of uses) to which land may be put once the End State has been reached.

2.4 The current end state identified in the Hinkley Point A Lifetime Plan is that the site will be cleared of all radioactive structures, including those below ground level. All other structures will be removed to at least ground level with consequent below ground level voids back-filled where necessary. The site will be landscaped and will be released from its license and made available for an appropriate alternative end use.

2.5 The NDA considers it important to take into account the considerations of local stakeholders. Therefore in November 2005, the NDA wrote to each Site Stakeholder Group requesting them to collate the views of the local community around their site and to make a recommendation to them for the end use of the site.

3 PROCESS OVERVIEW

3.1 The process followed is that provided in the NDA Engineering Directorate EGR015 – Site Definition Process in which the following stages are identified:

Stage 1 – Stakeholder Consultation on End Uses

Stage 2 – End State Development

Stage 3 – Stakeholder Consultation on End States

Stage 4 – Reconciliation

3.2 Stage 1 – Stakeholder Consultation on End Uses

On 8th August 2006 the SSG chair wrote to all of the local councils (including Somerset County Council and West Somerset and Sedgemoor District Councils) to ask them to place End States onto their agenda in order that their representatives can convey the views of the local communities at SSG meetings.

The End Uses listed in the consultation questionnaire (Appendix A) were based on a survey carried out at Dungeness A site and from the guidelines provided in the NDA Guidance.

Note 1: It is likely that responses in favour of wind farms are also in favour of other renewable energy potential. Feedback from the end use questionnaires has listed the Severn Barrage, wind and tidal energy schemes and a bio-fuel plant.

Note 2: It is likely that those in favour of new nuclear build considered Hinkley Point in terms of location rather than the footprint of Hinkley Point A site.

The consultation strategy was to support the SSG using in-house resource at Hinkley Point A Site rather than using an independent body with the direction for consultation and reporting being provided by the SSG via the SSG Chairman.

Consultation was concentrated within the local population.

The questionnaire received coverage in the local press, directing interested members of the public to the Quantock on Line web site.

Responses were invited from students at Bridgwater College, visitors to the site and local community and professional groups visited by British Nuclear Group staff. (e.g. Moorlands Women's Institute, Institute of Electrical Engineering)

A large number of comments were received which have been added to a database. The complete list of comments can be requested from the SSG Secretary. Other end uses identified by responses to the questionnaire are tabled below.

Grouping	Suggested End Use
Waste Management	County Waste Incinerator Low Level Waste Storage
Renewable Energy	Tidal Reservoir Power station Wave Power Bio Plant
Commercial Use	Science Park
Recreational	Motor-cross track
Nature	Turn over to Forestry commission; Woodland without special status

An article in the Bridgwater Mercury (Appendix 2) reported that Bridgwater College were keen for the site to be used as a nuclear training academy.

At the SSG sub-group meeting held on 15th February, the option of using the site as a landfill site was discussed.

3.3 Stage 2 – End State Development

End states were initially outlined to SSG members in a letter dated 8th August 2006. SSG representation was able to share ideas with other Magnox Electric sites by attendance at the NDA stakeholder workshops held on 27th September 2006 and 30th January 2007 and attendance at the Oldbury SSG subgroup meetings.

The end states were subsequently developed with assistance from British Nuclear Group and issued to SSG members for consideration on 29th January 2007.

The End States considered were:

- **Landscaped Site;** – site is de-licensed, remove all buildings and foundations to 1m below ground level, remove all hazardous and radiological materials, remediation of land for unrestricted use, topsoil & seeding etc.
- **Site left to nature;** site is de-licensed, remove all buildings and foundations to one metre below ground level, remove all hazardous and radiological materials, remediation of land for unrestricted use and left to be reclaimed by nature.
- **Site left for redevelopment;** – site is de-licensed for unrestricted use, hazardous and radiological materials all removed from site, buildings demolished, foundations removed to at least ground level, some road infrastructure retained for access. Remediation of land and left bare for subsequent development.
- **Leave site under partial institutional control;** reduced site licence boundary, leave essential buildings and foundations, leaving part of site for disposal of hazardous and radiological waste. Non controlled areas left for future use following full remediation and removal of structures to at least ground level.
- **Leave the site under full institutional control;** retain existing site licence boundary, leaving some access roads, essential/useful buildings and some foundations, leaving Low Level/Intermediate Level Radiological Waste in storage, limited land remediation.

3.4 Stage 3 – Stakeholder Consultation on End States

The end state recommendation from the subgroup committee was issued to all SSG members on 27th February 2007 for acknowledgement and comment at the full SSG on 16th March 2007.

At the SSG on 16th March 2007 a presentation was given on the recommendations from the subgroup meetings (see Section 6.0). The SSG members gave a unanimous vote in support of these recommendations and for the report to be submitted to the NDA.

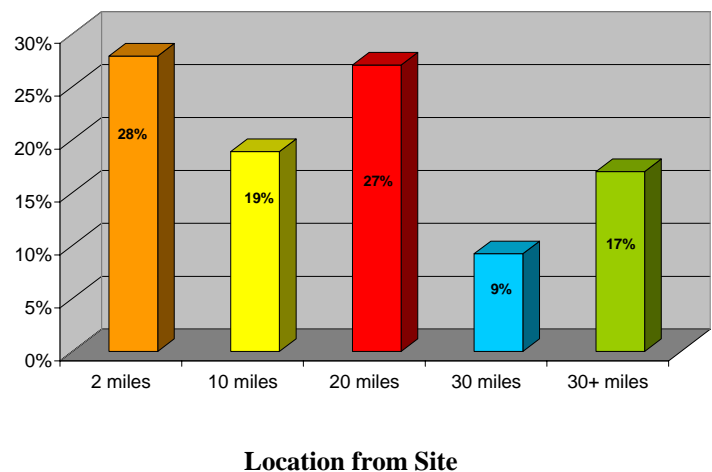
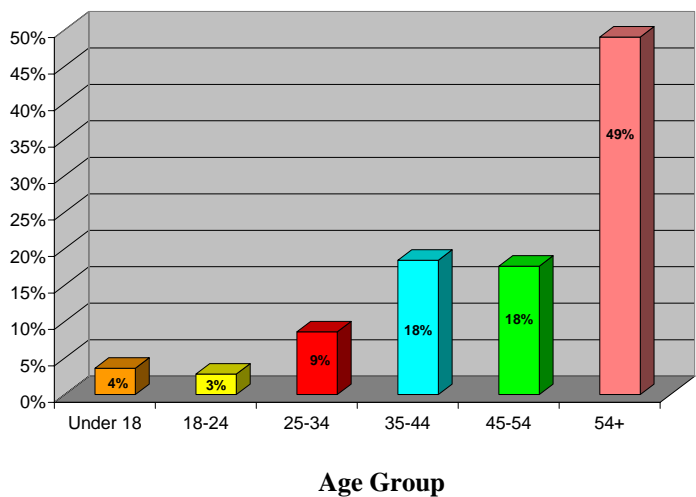
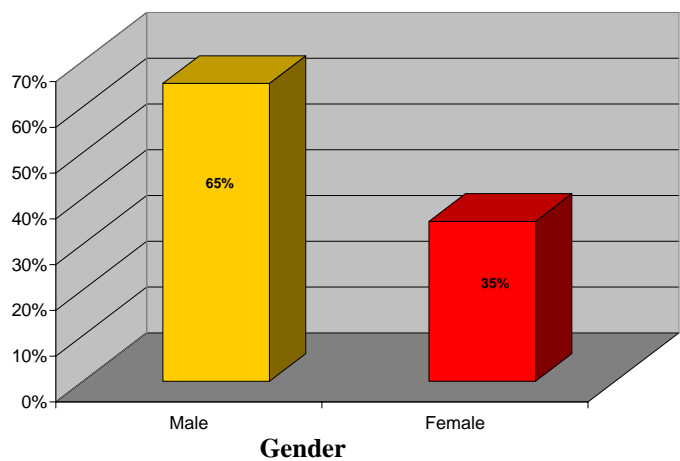
4 PUBLIC CONSULTATION FEEDBACK RESULTS

4.1 Table 1 below shows the number of feedback questionnaires received from each consultation source.

Source	No. Responses received
Mail shot to 700 local residents detailed planning zone (approx 3 mile radius)	109
Quantock on line website	84
Dunster Show held 18 th August 2006	121
SSG direct feedback plus British Nuclear Group Business Breakfast held 6th October 2006	44
Station Employees	59
Various community and professional groups (incl. Moorland WI, Institute of Electrical Engineering & Bridgwater College)	85
Total No. Responses	502

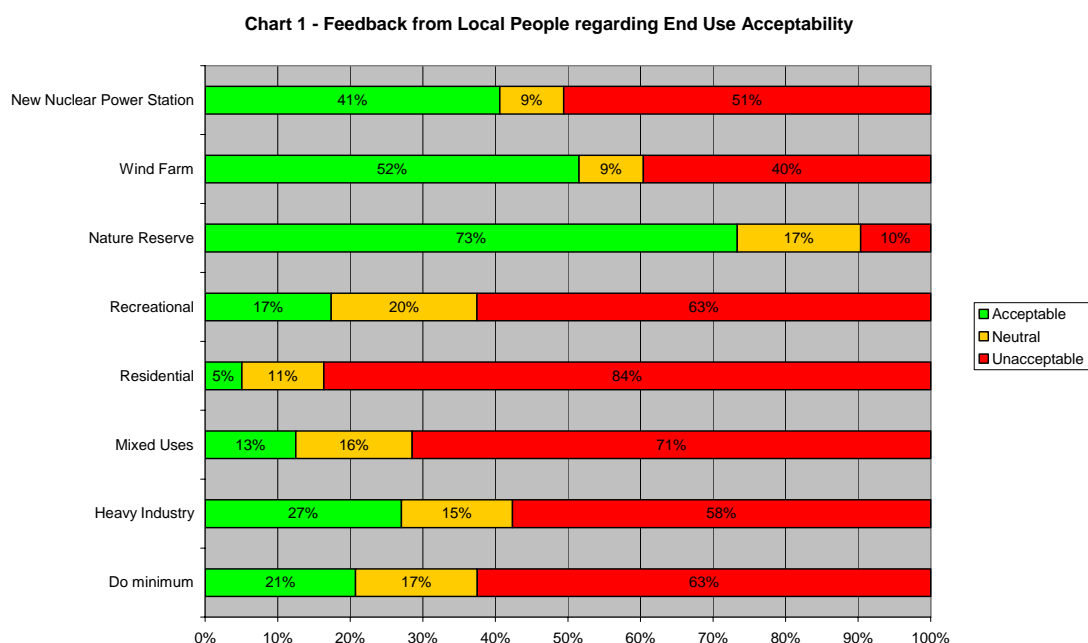
4.2 The demographics are shown overleaf. Given the level of information available from the consultation, it is not possible to say if the views are representational. The bulk of the responses were from older males but the location of respondents is spread relatively evenly.

For comparison the information taken from the Somerset population census 2001 is Male 49%, Female 51%, age 18-24 = 5%, age 25-34 = 10%, age 35-44 =15%, age 45-54 =30%, age 54+ =33%



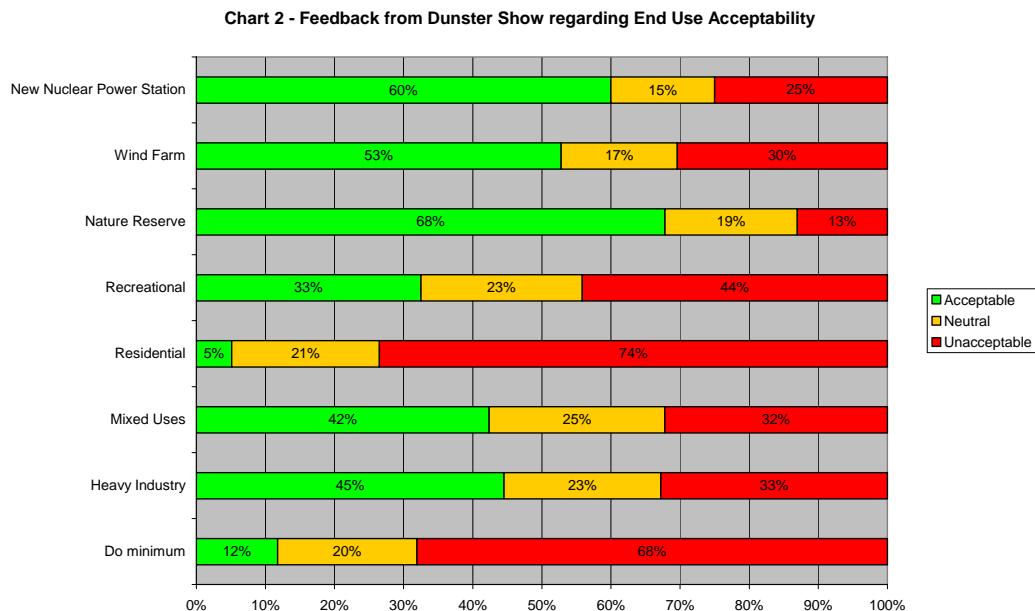
4.3 For comparison the feedback received from the questionnaires has been broken down into various categories (charts 1 to 3) with the consolidated position shown in chart 4. In the key Acceptable means those who strongly agree or agree. Conversely, Unacceptable means those who strongly disagree or disagree. Each line on the chart represents a different option offered within the questionnaire sent out to locals. The results (shown as red, amber and green) form 100% of the answers received for that option.

4.4 Chart 1 below illustrates the analysis of feedback from the general public taken from responses from households located within the detailed planning zone plus responses from the Quantock on-line website and members of local community groups living within 15 miles of the site.

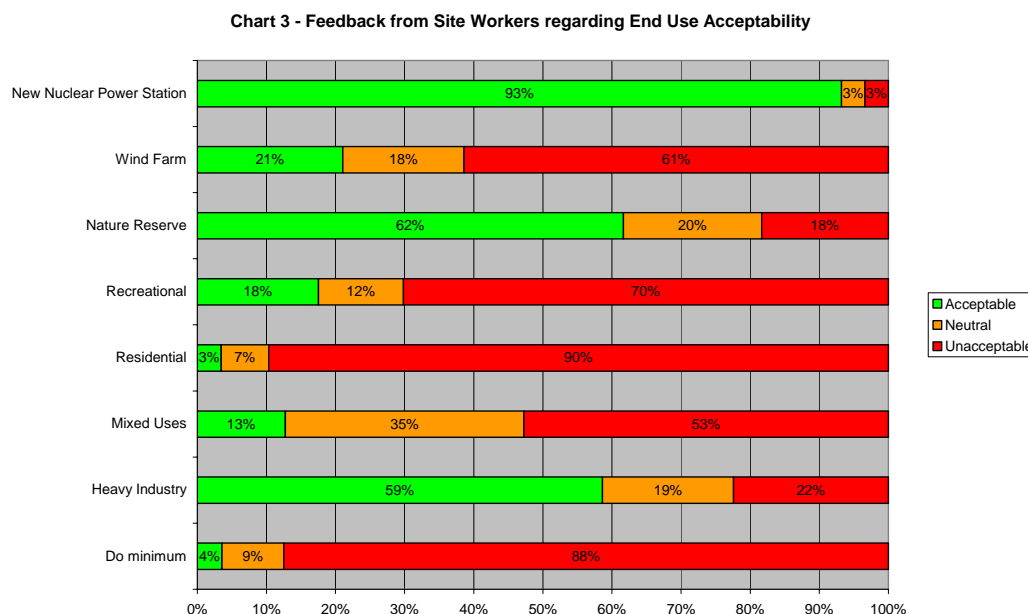


The chart shows that a clear majority favour that the site be returned to nature and not used for residential use.

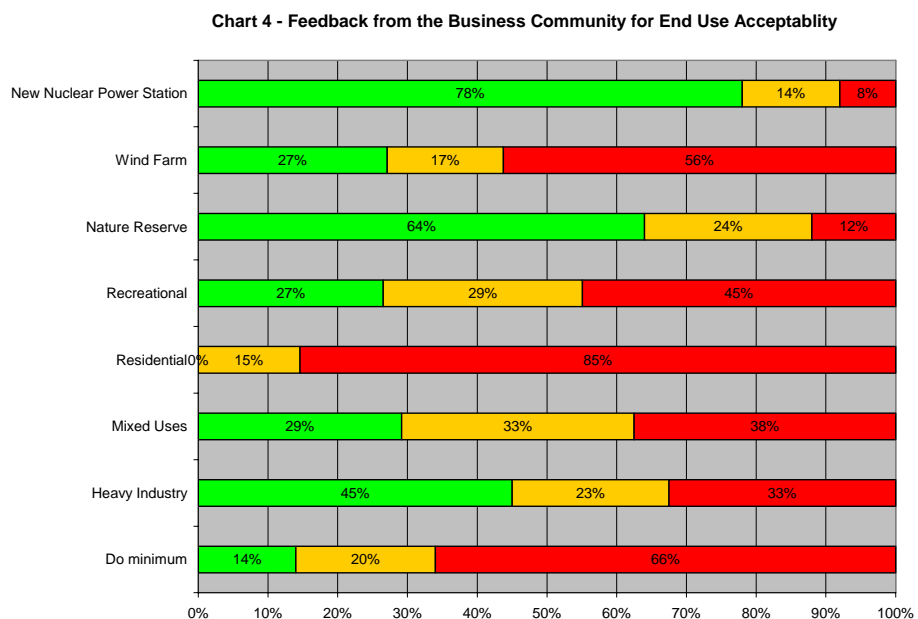
- 4.5 Chart 2 below illustrates the analysis of feedback from the Dunster Show. The feedback hierarchy is similar to the local public with a higher proportion favouring new nuclear or renewable energy option (e.g. Wind Farm) or industrial/commercial use



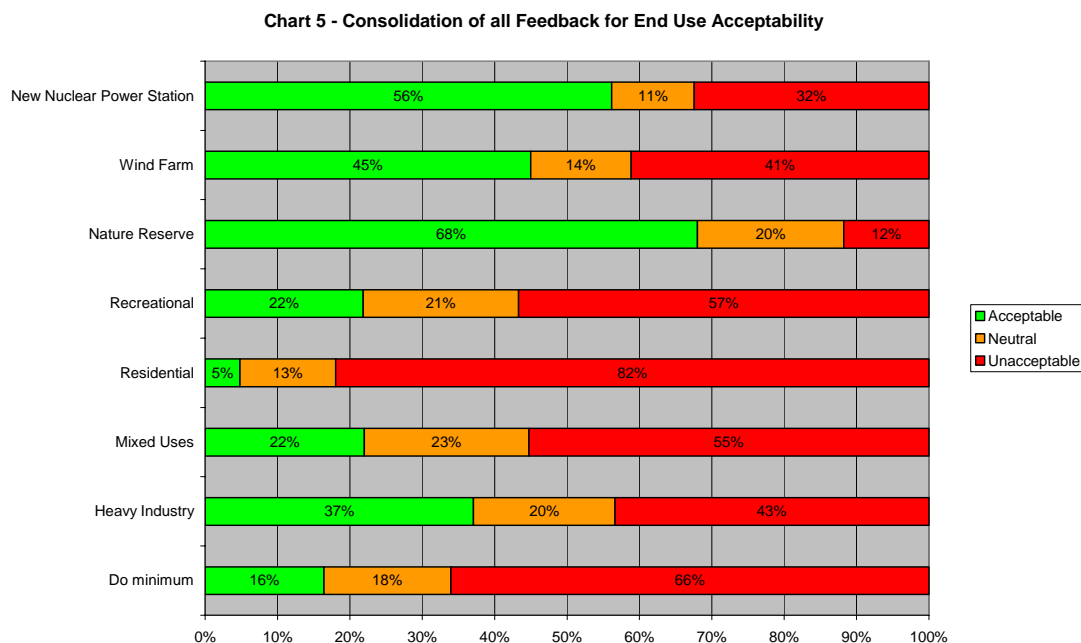
4.6 Chart 3 below illustrates the consolidation of analysis from site employees. The results show a clear favouring of retaining nuclear facilities at the site. This is likely to be due to maintaining jobs in the area, as heavy industry is also well favoured.



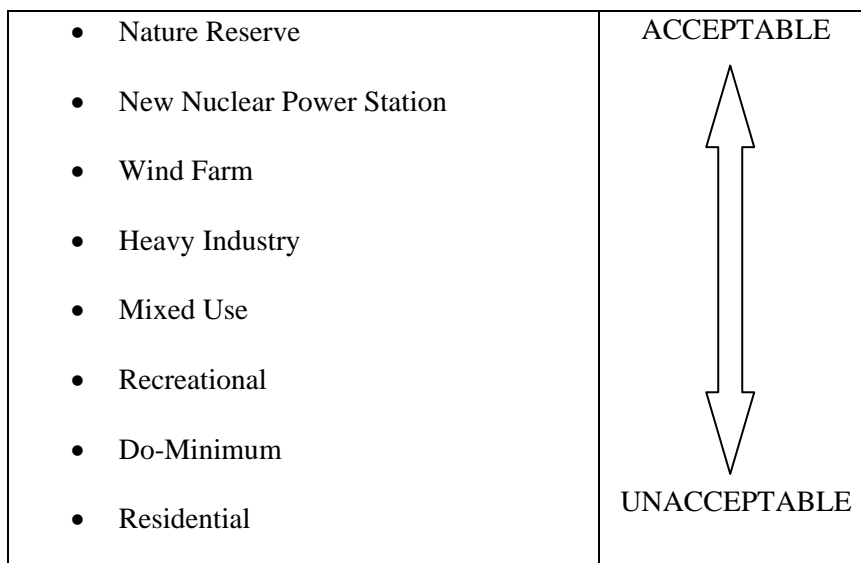
4.7 Chart 4 below illustrates the consolidation of analysis from business community. This includes feedback from business breakfast and SSG members. The hierarchy of feedback is similar to station employees with a strong preference towards maintaining nuclear facilities.



4.8 Chart 5 below illustrates the consolidation of all the feedback received. A return to nature is favoured. If station employees were removed from this chart then the hierarchy remains unchanged with nature reserve at 68% and new nuclear build at 56%.



Hierarchy of End Uses



5 CONCLUSIONS

- 5.1 The Site Stakeholder Group has carried out their responsibilities of consulting with members of the local public and with their representative groups.
- 5.2 This report enables the SSG sub-group to review the consultation responses and arrive at a hierarchy of acceptable site end uses that represents the desires of local stakeholders.
- 5.3 The recommendations of this report have taken no account of external strategic issues that would impact on future decision making, namely the Government Energy Policy or storage of waste on site.
- 5.4 A significant proportion of responses recorded that the site should not be used for residential use.
- 5.5 Based on the consultation feedback, the favoured end use is a nature reserve followed closely by new nuclear build. These have differing end states. A Site Left to Nature end state is aligned to a Nature Reserve end use.

6 RECOMMENDATIONS

It is recommended that:-

- 6.1 The end use hierarchy taken from the public consultation is acknowledged by the SSG with Nature Reserve being the favoured option. This lends itself to an end state of Site left to Nature, described below.

Site Left to Nature: Site is de-licensed, remove all buildings and foundations to one metre below ground level, remove all hazardous and radiological materials, remediation of land for unrestricted use and left to be reclaimed by nature.

- 6.2 A Site Left to Nature option would not preclude potential development of the site for other uses including a shared end use of the site.
- 6.3 Residential development on the site should not be considered.
- 6.4 Any future development connected to energy production should be part of a sustainable energy or non fossil fuel policy for the area.
- 6.5 It can not be stated with any confidence that the feedback received from the consultation is representational. Future public consultation on end uses should consider a wider consultation strategy.
- 6.6 The NDA need to provide the SSG with clear guidance on their expectations for future consultation on end states and allow sufficient time for the consultation to be planned and carried out.

Appendix 1 – End Use Questionnaire

Hinkley Point A Site End Use Questionnaire



Hinkley Point A Site ceased generation in May 2000. Permission to decommission the two reactors was given in July 2003 and a number of projects are now well underway. The Hinkley Point Site Stakeholder Group (SSG) is keen to hear the views of the local community on the range of potential end uses for the site once decommissioning and final site clearance has been achieved. Please help us by completing the following questionnaire.

Date:

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. Do minimum, decommission - leave as is.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Heavy Industry e.g. manufacturing plant, other electricity generation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Mixed uses e.g. Fish Hatchery, Isolation Hospital, Prison Secure transition centre, Light Industry.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Residential.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Recreational e.g. swimming pool, sports facility.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Nature Reserve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Wind Farm.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Build Another Nuclear Power Station.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Other Suggestions					

Comments

P.T.O.

10. How old are you?

Under 18.....	<input type="checkbox"/>	35-44.....	<input type="checkbox"/>
18-24.....	<input type="checkbox"/>	45-54.....	<input type="checkbox"/>
25-34.....	<input type="checkbox"/>	55+.....	<input type="checkbox"/>

11. Are you male or female?

Male.....	<input type="checkbox"/>	Female.....	<input type="checkbox"/>
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12. How far away do you live in relation to Hinkley Point?

5 mile radius.....	<input type="checkbox"/>	30 mile radius.....	<input type="checkbox"/>
10 mile radius.....	<input type="checkbox"/>	30+ mile radius.....	<input type="checkbox"/>
20 mile radius.....	<input type="checkbox"/>		

Thank you for taking the time to fill in our questionnaire. Your views are very important to us.

More information about the End State Definition Process can be found at www.nda.gov.uk

Please send me a copy of the Site End State Definition Process. (Tick box) ☐

Please send me a copy of the NDA Strategy. (Tick box) ☐

I would like more involvement in the Site End Use Process. (Tick box) ☐

Name.....

Address.....

.....

Tel Number

Please return this form to: Sharon Stewart
Hinkley Point A Site
Bridgwater
Somerset
TA5 1YA

Appendix 2 - Publicity Material

New prison at Hinkley site?

Public's views are wanted on alternative uses for site

By BEN PIKE

ben.pike@bridgwatermercury.co.uk

NUCLEAR Decommissioning Authority officials have talked down the prospect of the soon-to-be-redundant Hinkley Point A site being transformed into an isolation hospital or a prison for inmates in transit.

The one-time power station is in the late stages of decommissioning, and the option of using the isolated site as a prison has come under consideration.

Hinkley's Site Stakeholder Group – a committee made up of representatives from British Energy, local authorities and scores of Somerset organisations – has teamed up with the NDA to produce a questionnaire aimed at gauging public opinion on potential uses.

Information gathered will be fed back to the Government in a report due to be made early next year.

Suggestions include a sports centre, fishing hatchery and a wind farm as well as a prison secure unit or isolation hospital.

But NDA spokesman Brian Howell said the examples included in the 12-question survey were compiled using suggested uses for other sites across the UK, and had not necessarily been put forward as specifics for Hinkley to consider.

He told the *Mercury*: "Different sites being decommissioned are at different levels.

"We are approaching it in slightly different ways for the needs of each particular community.

"The Hinkley questionnaire has similarities to other sites where we are carrying out consultation – particularly Dungeness, in this case."

Bridgwater College is keen to use Hinkley Point as an added facility to a nuclear training academy earmarked for the town, but has not been mentioned in the questionnaire.

"Views that have come forward so far have been mixed," added Mr Howell.

"Some areas of the country we have surveyed want nuclear sites to become industrial but some haven't been particularly bothered if another power station is being built.

"When the recommendations come in we have to do a report pulling all the suggestions and what they mean in practical terms.

"This could be to do with time scales, financial benefits on the community and social issues."

The 19.4-hectare site on the West Somerset coast ceased operation in 2000 after 35 years and is now owned by the NDA but managed by the British Nuclear Group.

You can log on to www.quantockonline.co.uk to fill out the questionnaire online.



■ Hinkley Point

Appendix 3 – Schedule of SSG Site End State Sub-Committee Meetings

Date	Meeting
12 th December 2006	Initial meeting to review results from End Use questionnaire
16 th January 2007	Second Sub-Committee Meeting to discuss progress to date
15 th February 2007	Third Sub-Committee Meeting to debate End State options

Appendix 4 – Dunster Road Show held 18th August 2006

