

## **Generic assessment of candidate nuclear power plant designs**

### **statement of design acceptability for the UK ABWR design**

submitted by

**Hitachi-GE Nuclear Energy Ltd.**

The Environment Agency and Natural Resources Wales have undertaken a Generic Design Assessment of Hitachi-GE's UK ABWR, during the period December 2013 to December 2017, using the process set out in the document Process and Information Document for Generic Assessment of Candidate Nuclear Power Plant Designs<sup>1+2</sup>.

The findings of our assessment are summarised in the document:

Decision Document for the Generic Design Assessment of Hitachi-GE's UK ABWR<sup>3</sup>

The Environment Agency and Natural Resources Wales are satisfied that Hitachi-GE has demonstrated the acceptability for environmental permitting of the UK ABWR on the generic site, as defined in Schedule 1.

This statement is provided as advice to Hitachi-GE, under section 37 of the Environment Act 1995 and the Natural Resources Body for Wales (Establishment) Order 2012 (as amended) (National Assembly of Wales, 2012). It does not guarantee that any site-specific applications for environmental permits for the UK ABWR will be successful.

The statement will remain valid for ten years from the date of issue. This is subject to no significant new information arising during that period which might call into question our original assessment of the UK ABWR.

Stephen Hardy	14 December 2017
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Authorised on behalf of the Environment Agency

Tim Jones	14 December 2017
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Authorised on behalf of Natural Resources Wales

## References

1. Process and Information Document for Generic Assessment of Candidate Nuclear Power Plant Designs, Version 2, Environment Agency, March 2013.

<http://webarchive.nationalarchives.gov.uk/20151009003754/https://www.gov.uk/government/publications/assessment-of-candidate-nuclear-power-plant-designs>

2. Process and Information Document for Generic Assessment of Candidate Nuclear Power Plant Designs, Version 3, Environment Agency, October 2016.

[https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/296440/LIT\\_7998\\_3e266c.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/296440/LIT_7998_3e266c.pdf)

3. Decision Document for the Generic Design Assessment of Hitachi-GE's UK ABWR, Environment Agency, December 2017. LIT10714.

# Schedule 1 – Scope of the GDA

This statement of design acceptability refers to the Hitachi-GE UK ABWR as described in the design reference documentation:

<b>Document reference</b>	<b>Title</b>	<b>Version number</b>
GA91-9901-0017-00001	Definition of Design Reference Point	B
GA91-1104-0002-00001 (XE-GD-0178)	Design reference for UK ABWR, September 2017.	8
GA91-0011-0003-00001 (XE-GD-0158)	Master Document Submission List (MSDL), November 2017.	15