

UK ABWR

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UK ABWR Generic Design Assessment

Generic PCSR Sub-chapter 5.1 :
General Safety Design Bases



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5.1.1. Introduction

The design of UK ABWR is developed in order to meet the expectations of SAPs (Safety Assessment Principles for Nuclear Facilities 2006 Edition, Revision 1 2008, HSE), though fundamental UK ABWR design is based on existing Japanese ABWRs. It is recognised that most of the SAPs are applicable during GDA, site licensing and various stages of nuclear power plant operation. The applicability and emphasis in demonstrating compliance is varying from principle to principle and this is being reflected in the extent of coverage in the safety case development from GDA PCSR to site specific PCSR and beyond.

The compliance statement of UK ABWR design and operating features against each of the SAPs are demonstrated at Topic Report on SAP Compliance Statement for UK ABWR [Ref-1].

5.1.2. References

- [Ref-1] GA91-9201-0001-00047 Rev.0, Topic Report on SAP Compliance Statement for UK ABWR, Hitachi-GE