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Unique Number: REG-HGNE-0191N

7 June 2017

Closure of Regulatory Observation – RO-ABWR-0023 – Severe Accident Safety Case

I refer to Regulatory Observation RO-ABWR-0023 issued on 21st October 2014.

Following a review of the submissions provided as part of Hitachi-GE's Resolution Plan, I am satisfied that Hitachi-GE has adequately addressed the five topic areas and associated actions covered by RO-ABWR-0023. My judgement is based on the following key submissions, supplemented by the other documents submitted as part of the Resolution Plan:

- Topic Report on Severe Accident Phenomena and Severe Accident Analysis, AE-GD-0102 Revision H
- Severe Accident Safety Case for Shutdown Reactor and SFP, AE-GD-0633 Revision 1
- Flammable Gas control and Supporting Analysis in UK ABWR, AE-GD-0457 Revision 3
- ALARP Discussion on Flammable Gas Control, AE-GD-0438 Revision 2
- Containment Performance Analysis Report in UK ABWR, AE-GD-0561 Revision 2
- Applicability of the HM Chief Inspector's Recommendations and ONR's Stress Test Findings to UK ABWR Design, AE-GD-0505 Revision 2
- Accident Management Guideline (After Core Damaged) for UK ABWR, AE-GD-0363 Revision 0
- Level 3 PSA for UK ABWR: Accident Consequences, Compiled Plant Risk Profile and Assessment Against Numerical Risk Targets 7, 8 and 9 for GDA, HE-GD-0306 Revision 0

Since the original issue of RO-ABWR-0023, some of the specific actions have been supplemented by more targeted Regulatory Observations, namely A2.3 and A4.4 (RO-ABWR-0039), A5.2 (RO-ABWR-0043 & 66) and A5.3 (RO-ABWR-0046). For these actions I consider that it is appropriate to progress any outstanding matters against these other Regulatory Observations.

On this basis, I can confirm the closure of RO-ABWR-0023.

A copy of this letter will be published on the ONR website in due course.