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10 April 2017

Closure of Regulatory Observation – RO-ABWR-0051 – Systems, Structures and Components Equipment Qualification.

I refer to Regulatory Observation RO-ABWR-0051 – Systems, Structures and Components Equipment Qualification.

I am writing to confirm the closure of this Regulatory Observation. This is on the basis that Hitachi-GE has demonstrated that it has high level arrangements in place to develop Equipment Qualification (EQ) plans to qualify its Systems, Structures and Components (SSC). Although shortfalls do exist in the EQ plans developed by Hitachi-GE to facilitate closure of RO-ABWR-0051. It is recognised that detailed SSC designs are not available within GDA which impacts Hitachi-GEs ability to accurately develop robust EQ plans.

At this stage of the design process and with the level of detail presented I am content to close RO-ABWR-0051 with the caveat that EQ plans continue to be developed in parallel with the detailed designs. The development of the UK ABWR EQ plans will remain a focus of regulatory attention during subsequent design phases.

Reference documents supporting this Regulatory Observation are set out below:

1. UK ABWR - GA91-9201-0003-00912 - QGI-GD-0022 - Rev 1 - List of Applicable Equipment Qualification - 31 October 2016 (2016/421107)
2. UK ABWR - GA91-9201-0003-01159 - KE-GD-0096 - Rev 1 - Equipment Qualification Plan for Fine Motion Control Rod Drive - 27 October 2016 (2016/417773)
3. UK ABWR - GA91-9201-0003-00951 - PVD-GD-0020 - Rev 1 - Equipment Qualification Plan for Main Steam Isolation Valve - 24 October 2016 (2016/412802)
4. UK ABWR - GA91-9201-0003-00983 - YTE-GD-0005 - Rev 1 - Equipment Qualification Plan for Reactor Core Isolation Cooling Pump - 26 October 2016 (2016/415660)
5. UK ABWR - GA91-9201-0003-01270 - KTE-GD-0002 - Rev 1 - Equipment Qualification Plan for Main Control Room Supply Fan - 02 December 2016 (2016/471779)
6. ALARP assessment report for the fine motion control rod drive upper component maintenance, GA91-9201-0003-01189, 31st March 2017

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



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Yours sincerely,