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Closure of Regulatory Observation – RO-ABWR-0050 – Crane Control Measures

I refer to Regulatory Observation RO-ABWR-0050 – Crane Control Measures issued on 6 May 2015 which was a cross cutting observation involving control and instrumentation, internal hazards, radiation protection, spent fuel interim storage and human factors.

I can now confirm closure of ABWR-RO-050 based on ONR being satisfied that:

- Hitachi-GE has undertaken an adequate optioneering review
- Hitachi-GE has proposed modifications to J-ABWR to introduce automated control of the crane height, instead of relying solely on operator judgement.

ONR is satisfied that the dryer and separator will be lifted from a flooded RPV and that this will necessitate wetting the RBC hook. ONR considers that designing the RBC hook, to make it suitable for wetting, is beyond the scope of this RO. ONR's expectation is that Hitachi-GE will consider the detailed design of the RBC hook following GDA.

Reference documents supporting this Regulator Observation are set out below:

1. GA91-9201-0003-15061-MIE-UK-0092 Rev 0 – Summary Report of RO Actions regarding RO-ABWR-0050 (Mechanical Engineering – Crane control measures) (TRIM Ref. 2016/343754).
2. UK ABWR Generic design assessment - Resolution Plan for RO-ABWR-RO-0050 (Mechanical Engineering – Crane control measures) 2016/253902

ONR will publish a copy of this letter on our website in due course.

Yours sincerely