

ONR considers this regulatory observation to be cross-cutting and of interest to all assessment disciplines.

To undertake a meaningful GDA, ONR wishes to:

1. baseline ONR's regulatory knowledge of all BWR and ABWR operational experience across the world;
2. provide the RP an opportunity to demonstrate the adequacy and robustness of its ABWR technology; and
3. understand how the RP has adequately considered operational experience to reduce risks So Far As Reasonably Practicable (SFAIRP).

Regulatory Expectations

The objective of this Regulatory Observation is for the RP to demonstrate that the UK ABWR considers relevant operational experience from around the world. This will be achieved by the existence of an audit trail.

The RP should generate an appropriate resolution plan which:

- a. defines and scopes the planned activities;
- b. includes a controlled programme identifying: planned activities; deliverables; milestones; timescales and resource requirements; and
- c. identifies progress updates to ONR through the planned GDA engagements.

Regulatory Observation Actions

Action RO-ABWR-0045.A1:

As part of GDA Step 3, the RP, adopting a similar approach to the two reports commissioned by ONR (issued under correspondence REG-HGNE-0079R), should initiate a review of operational experience of the Japanese BWR nuclear power plants.

Action RO-ABWR-0045.A2:

As part of GDA Step 3, the RP should generate and issue a summary/synopsis on how it intends to demonstrate that the UK ABWR design and safety case takes account of Japanese and relevant international operational experience.

Action RO-ABWR-0045.A3:

As part of Step 4, the RP should generate and issue a report that demonstrates how the UK ABWR safety case and design consider relevant operational experience from North America, Europe and Japan. It is expected that this review will:

- on a structure, system or component (SSC) basis, or by grouping of similar SSCs, identify generic themes and trends of relevant operational experience,
- explain any relevance to the UK ABWR; and

- explain how the UK ABWR submission takes account of the operational experience.

Please note ONR does not expect an “event-by-event” treatment of operational experience.

REQUESTING PARTY TO COMPLETE

Actual Acknowledgement date:

RP stated Resolution Plan agreement date: